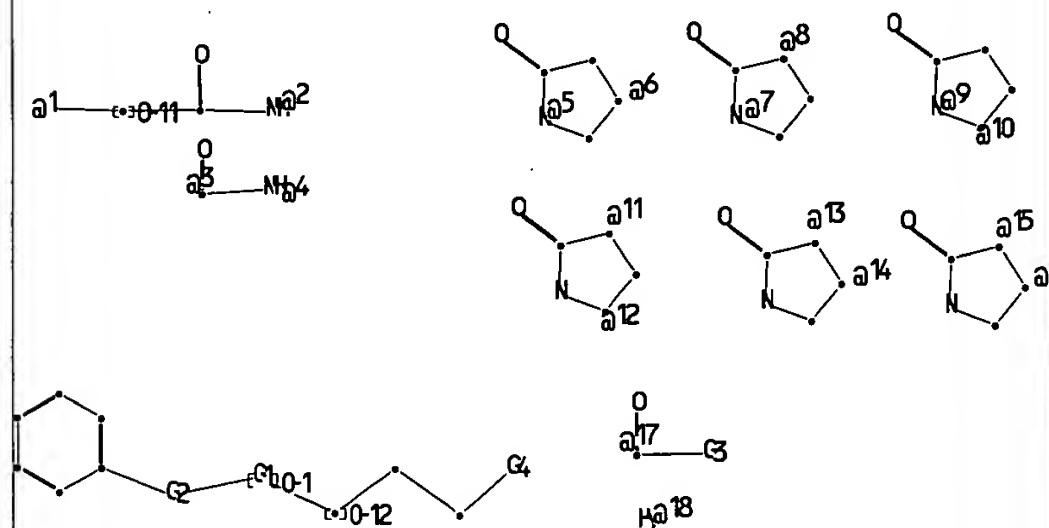


L Number	Hits	Search Text	DB	Time stamp
1	6178	((544/331) or (544/332) or (546/175) or (546/194) or (546/256) or (546/270.7) or (546/274.7) or (546/278.4) or (548/314.7) or (548/526) or (548/527) or (548/547) or (548/550)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/05/10 14:33
2	6255	((514/341) or (514/342) or (514/343) or (514/333) or (514/424) or (514/318) or (514/314) or (514/422) or (514/397) or (514/275)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/05/10 14:34
3	10634	((544/331) or (544/332) or (546/175) or (546/194) or (546/256) or (546/270.7) or (546/274.7) or (546/278.4) or (548/314.7) or (548/526) or (548/527) or (548/547) or (548/550)).CCLS.) or ((514/341) or (514/342) or (514/343) or (514/333) or (514/424) or (514/318) or (514/314) or (514/422) or (514/397) or (514/275)).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/05/10 14:34
4	3937	integrin\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/05/10 14:35
5	84	((544/331) or (544/332) or (546/175) or (546/194) or (546/256) or (546/270.7) or (546/274.7) or (546/278.4) or (548/314.7) or (548/526) or (548/527) or (548/547) or (548/550)).CCLS.) or ((514/341) or (514/342) or (514/343) or (514/333) or (514/424) or (514/318) or (514/314) or (514/422) or (514/397) or (514/275)).CCLS.) and integrin\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/05/10 14:35
6	118072	pyrrolid\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/05/10 14:41
7	4814	((544/331) or (544/332) or (546/175) or (546/194) or (546/256) or (546/270.7) or (546/274.7) or (546/278.4) or (548/314.7) or (548/526) or (548/527) or (548/547) or (548/550)).CCLS.) or ((514/341) or (514/342) or (514/343) or (514/333) or (514/424) or (514/318) or (514/314) or (514/422) or (514/397) or (514/275)).CCLS.) and pyrrolid\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/05/10 14:42 <i>Reviewed.</i>



## chain nodes :

12 13 14 15 16 17 18 19 20 21 22 33 39 45 51 57 73 74 75 76 77 79 80  
85

## ring nodes :

1 2 3 4 5 6 7 8 9 10 11 28 29 30 31 32 34 35 36 37 38 40 41 42 43  
44 46 47 48 49 50 52 53 54 55 56

## chain bonds :

6-73 10-12 13-14 13-79 15-16 15-17 15-18 18-22 19-20 19-21 31-33 37-39 43-45  
49-51 55-57 73-74 74-75 75-76 76-77 77-85

## ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11 28-29 28-32 29-30 30-31  
31-32 34-35 34-38 35-36 36-37 37-38 40-41 40-44 41-42 42-43 43-44 46-47 46-50  
47-48 48-49 49-50 52-53 52-56 53-54 54-55 55-56

## exact/norm bonds :

6-73 8-9 9-10 10-12 13-14 13-79 15-16 15-17 19-20 19-21 29-30 30-31 31-33  
35-36 36-37 37-39 41-42 42-43 43-45 47-48 48-49 49-51 53-54 54-55 55-57 73-74  
74-75 77-85

## exact bonds :

7-8 7-11 10-11 15-18 18-22 28-29 28-32 31-32 34-35 34-38 37-38 40-41 40-44  
43-44 46-47 46-50 49-50 52-53 52-56 55-56 75-76 76-77

## normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

## isolated ring systems :

containing 7 : 28 : 34 : 40 : 46 : 52 :

G1: [\*1-\*2], [\*3-\*4]

G2: [\*5-\*6], [\*7-\*8], [\*9-\*10], [\*11-\*12], [\*13-\*14], [\*15-\*16]

G3: O, N

G4: [\*17], [\*18]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom  
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS  
21:CLASS 22:CLASS 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom 33:CLASS 34:Atom 35:Atom  
36:Atom 37:Atom 38:Atom 39:CLASS 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom 45:CLASS  
46:Atom 47:Atom 48:Atom 49:Atom 50:Atom 51:CLASS 52:Atom 53:Atom 54:Atom 55:Atom  
56:Atom 57:CLASS 73:CLASS 74:CLASS 75:CLASS 76:CLASS 77:CLASS 79:CLASS 80:Atom  
85:CLASS

Generic attributes :

80:  
Number of Carbon Atoms : less than 7  
Number of Hetero Atoms : 2 or more  
Type of Ring System : Monocyclic

Element Count :

Node 80: Limited  
C,C1  
N,N4  
O,O0  
S,S0

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\09732546 (new).str

L1        STRUCTURE UPLOADED

=> que L1

L2    QUE L1

=> d 12

L2 HAS NO ANSWERS

L1                STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

L2                QUE   L1

=> s 12 sss sam

SAMPLE SEARCH INITIATED 11:36:54 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED -    8038 TO ITERATE

12.4% PROCESSED    1000 ITERATIONS

1 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:    ONLINE    \*\*COMPLETE\*\*

BATCH    \*\*COMPLETE\*\*

PROJECTED ITERATIONS:        155392 TO    166128

PROJECTED ANSWERS:                1 TO        330

L3                1 SEA SSS SAM L1

=>

Uploading 09732546 (new).str

L4        STRUCTURE UPLOADED

=> d 14

L4 HAS NO ANSWERS

L4                STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s 14 sss sam

SAMPLE SEARCH INITIATED 11:40:52 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED -    8038 TO ITERATE

12.4% PROCESSED    1000 ITERATIONS

1 ANSWERS

09/732,546

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 155392 TO 166128  
PROJECTED ANSWERS: 1 TO 330

L5 1 SEA SSS SAM L4

=> s l4 sss ful  
FULL SEARCH INITIATED 11:41:03 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 162644 TO ITERATE

100.0% PROCESSED 162644 ITERATIONS  
SEARCH TIME: 00.00.11

267 ANSWERS

L6 267 SEA SSS FUL L4

=> s l6

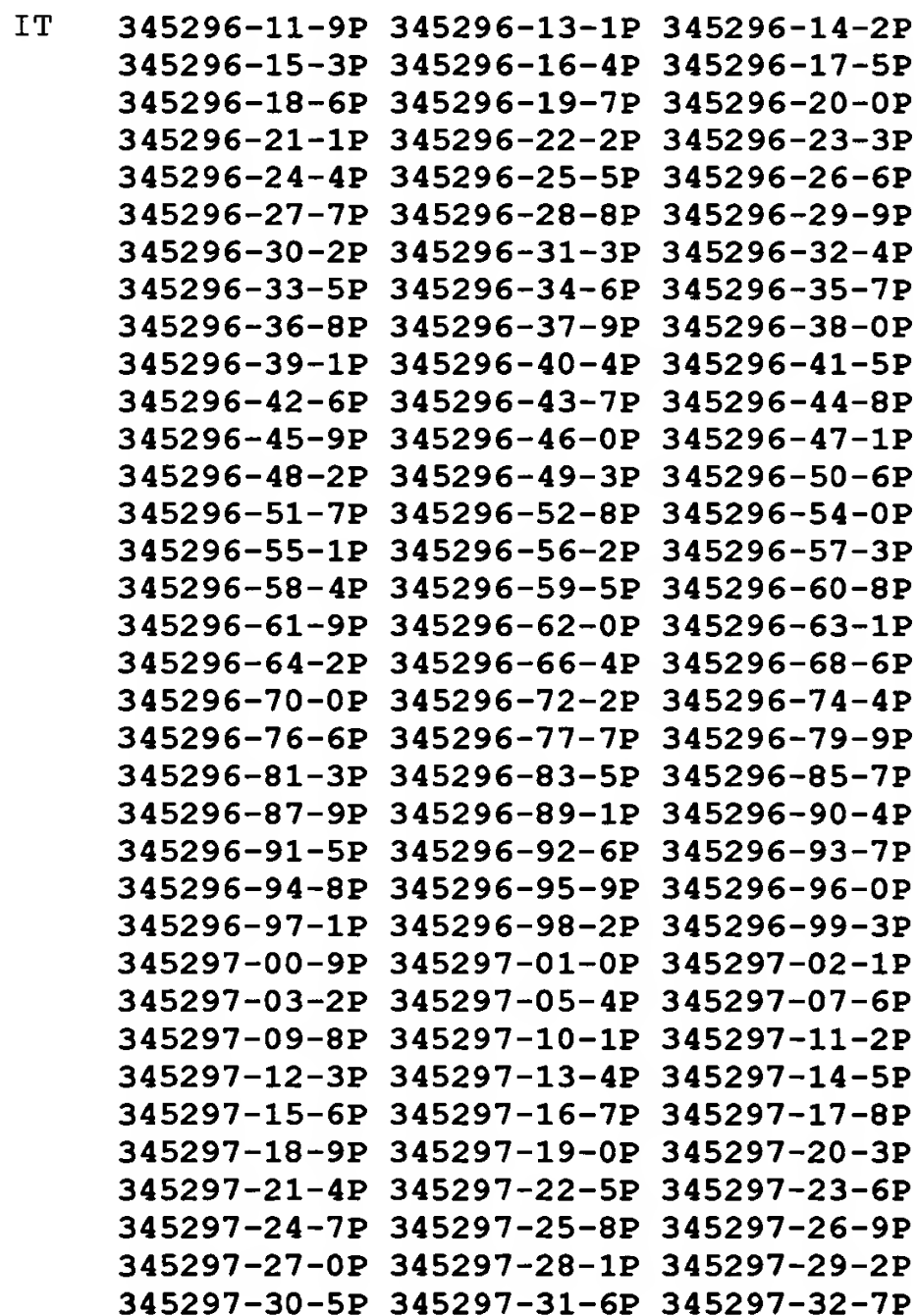
L7 23 L6

=> d l7 1-23 bib,ab,hitstr

L7 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 2001:453053 CAPLUS  
 DN 135:61230  
 TI 1-(Aminophenyl)-2-pyrrolidones as integrin inhibitors  
 IN Dominguez, Celia; Chen, Guoqing; Xi, Ning; Xu, Shimin; Han, Nianhe; Liu, Qingyian; Huang, Qi; Siegmund, Aaron; Handley, Michael; Liu, Longbin; Kiselyov, Alexander S.  
 PA Amgen Inc., USA  
 SO PCT Int. Appl., 197 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

Appl. Ref.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001044230	A1	20010621	WO 2000-US33515	20001211
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	US 2002019402	A1	20020214	US 2000-732546	20001208
PRAI	US 1999-170824P	P	19991214		
OS	MARPAT 135:61230				
AB	Title compds. are effective in the prophylaxis and treatment of diseases or conditions mediated by integrin receptors, such as .alpha.v.beta.3, .alpha.v.beta.5, .alpha.v.beta.6, .alpha.5.beta.1. Thus, the pyrrolidinone I [R = PhNHCO, R1 = H] was prepd. by treating I [R = H, R1 = Et] with PhNCO and ester hydrolysis.				
IT	<b>345296-12-0P</b> RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (prepn. of 1-(aminophenyl)-2-pyrrolidones as integrin inhibitors)				
RN	345296-12-0 CAPLUS				
CN	3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(2-phenylethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-(9CI) (CA INDEX NAME)				

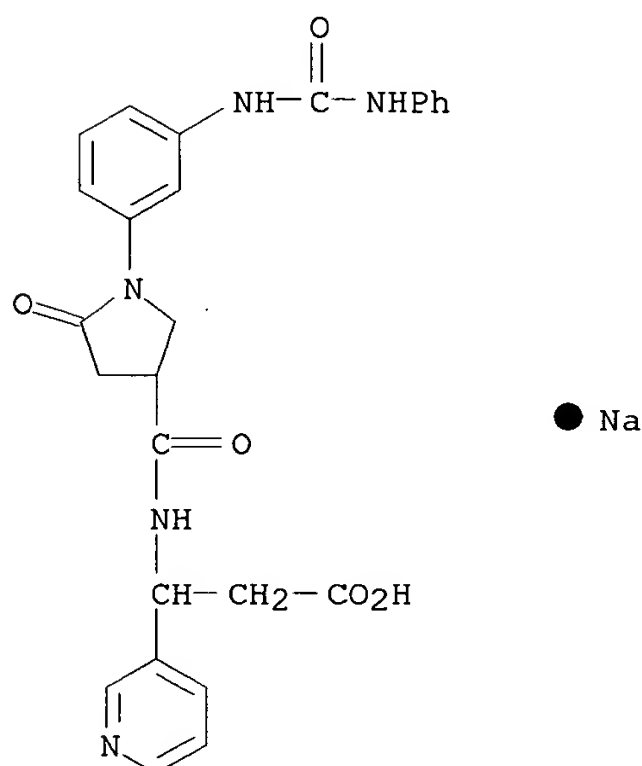


345297-33-8P 345297-34-9P 345297-35-0P  
 345297-36-1P 345297-37-2P 345297-38-3P  
 345297-39-4P 345297-40-7P 345297-41-8P  
 345297-42-9P 345297-43-0P 345297-44-1P  
 345297-45-2P 345297-46-3P 345297-47-4P  
 345297-48-5P 345297-49-6P 345297-50-9P  
 345297-51-0P 345297-52-1P 345297-53-2P  
 345297-54-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of 1-(aminophenyl)-2-pyrrolidones as integrin inhibitors)

RN 345296-11-9 CAPLUS

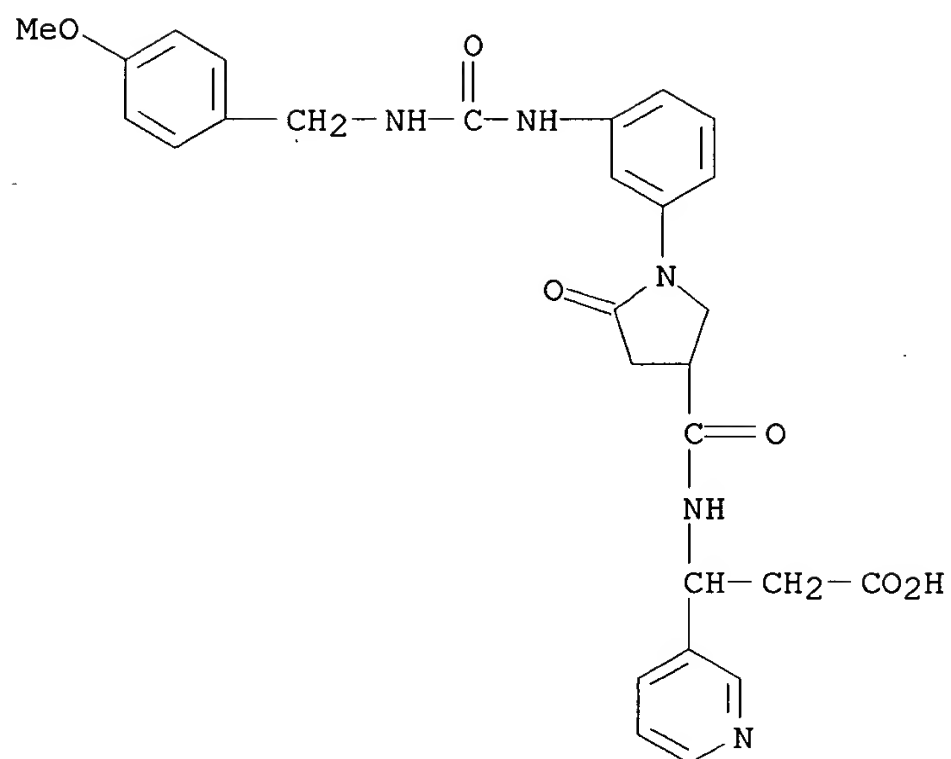
CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-  
 [(phenylamino)carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-,  
 monosodium salt (9CI) (CA INDEX NAME)



RN 345296-13-1 CAPLUS

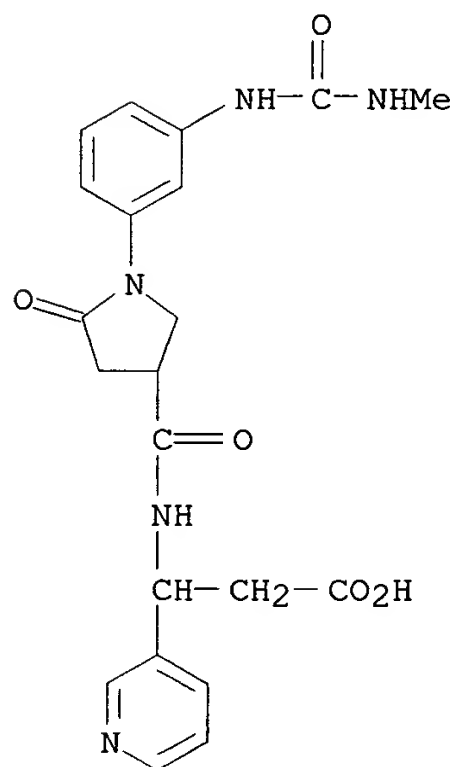
CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(4-methoxyphenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)





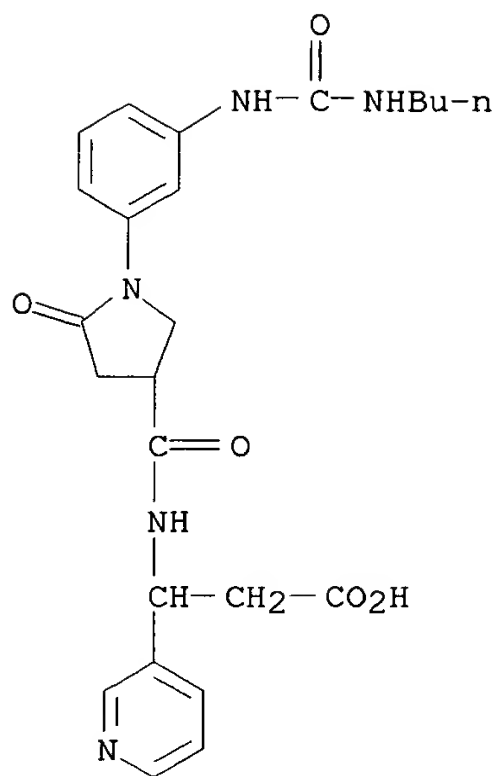
RN 345296-14-2 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(methylamino)carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



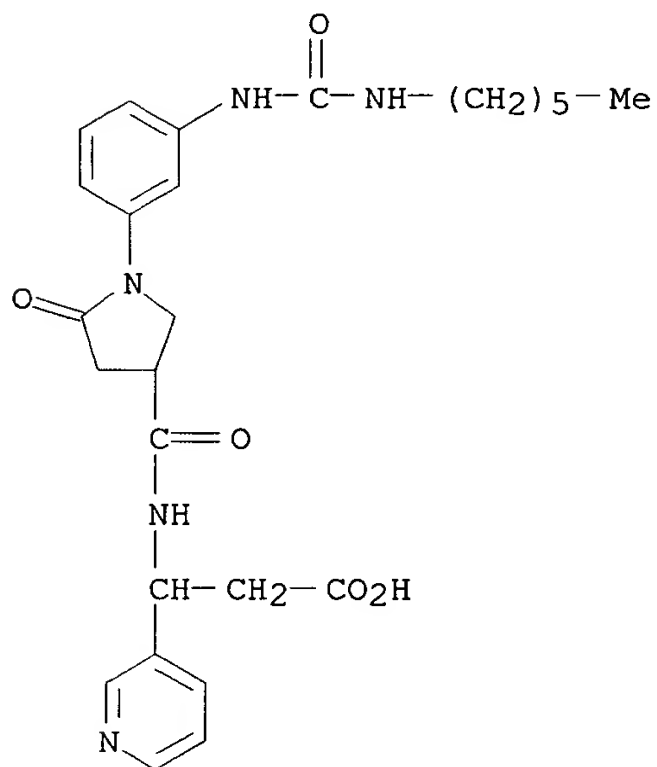
RN 345296-15-3 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(butylamino)carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



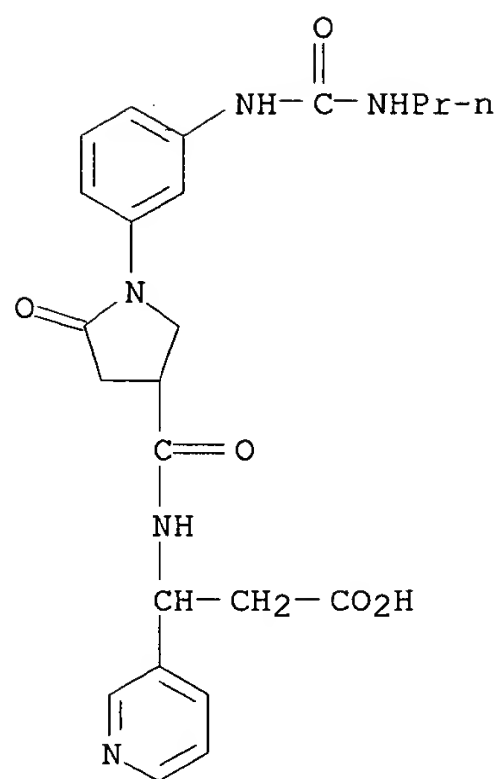
RN 345296-16-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[ (hexylamino) carbonyl] amino] phenyl]-5-oxo-3-pyrrolidinyl] carbonyl] amino]- (9CI) (CA INDEX NAME)



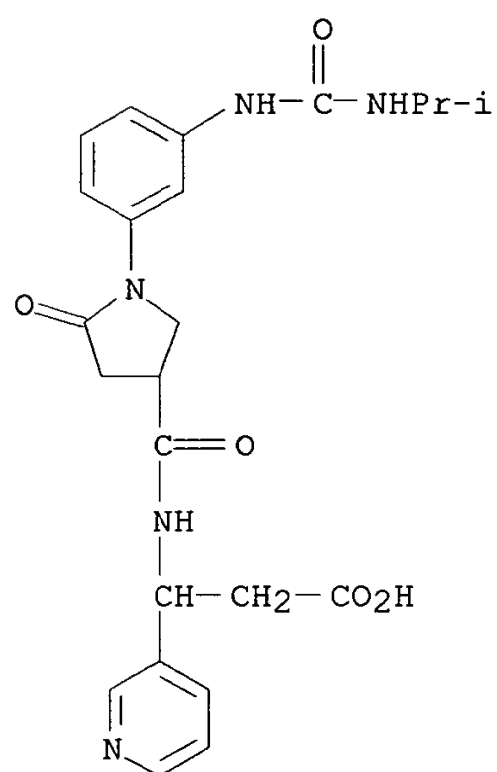
RN 345296-17-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[ (propylamino) carbonyl] amino] phenyl]-3-pyrrolidinyl] carbonyl] amino]- (9CI) (CA INDEX NAME)



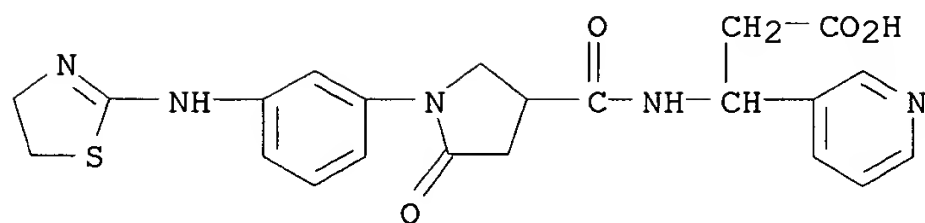
RN 345296-18-6 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(1-methylethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



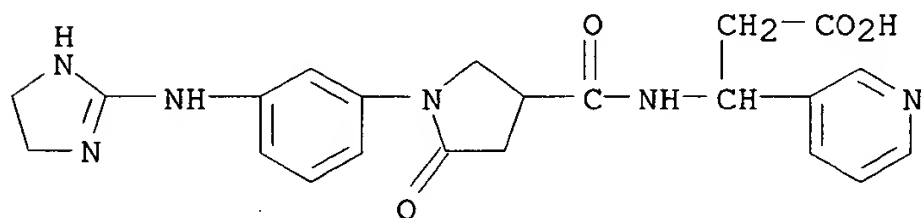
RN 345296-19-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(4,5-dihydro-2-thiazolyl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



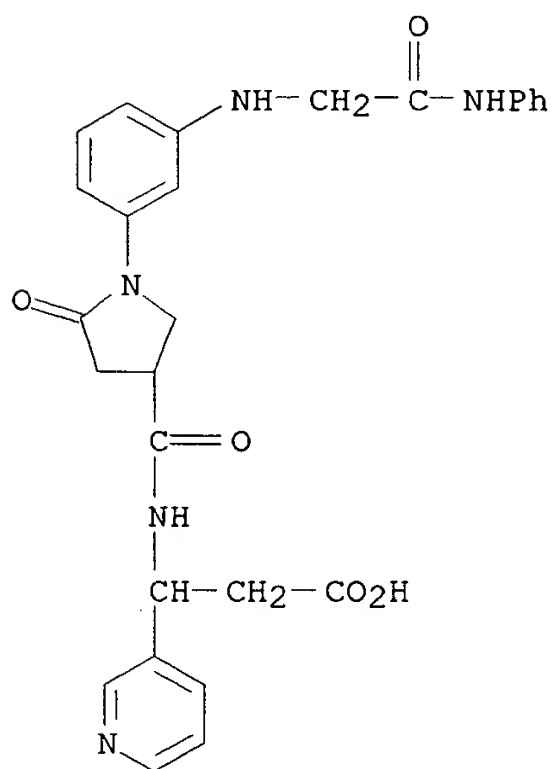
RN 345296-20-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(4,5-dihydro-1H-imidazol-2-yl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



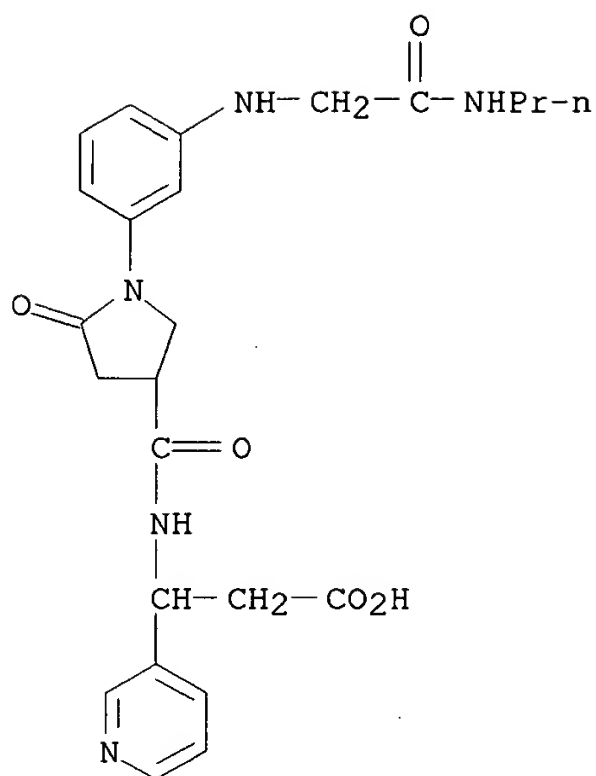
RN 345296-21-1 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[2-oxo-2-(phenylamino)ethyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



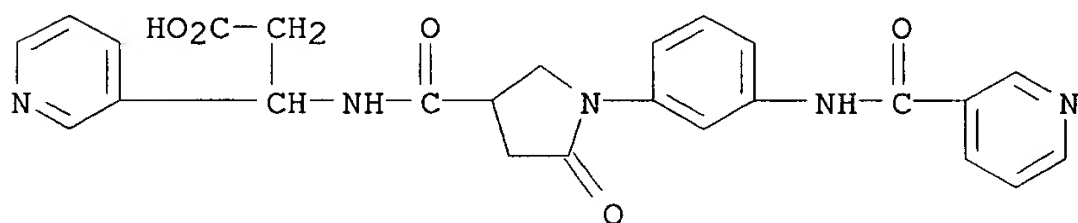
RN 345296-22-2 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[2-oxo-2-(propylamino)ethyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



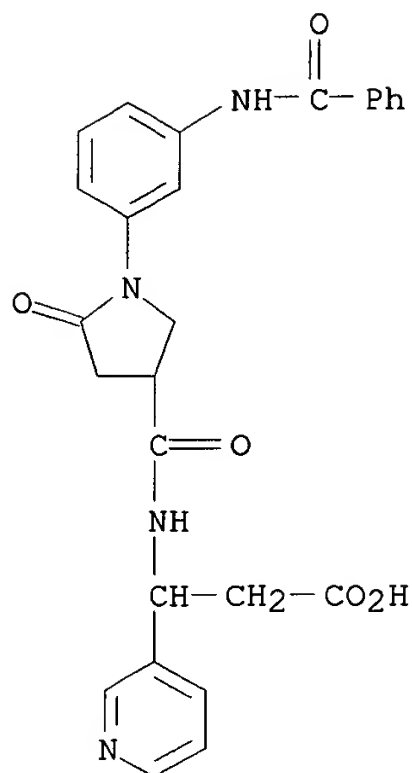
RN 345296-23-3 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(3-pyridinylcarbonyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



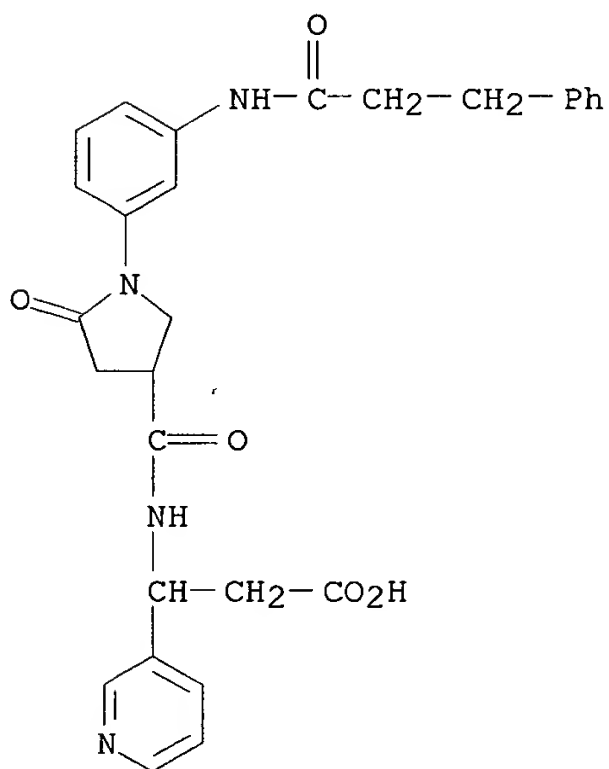
RN 345296-24-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-(benzoylamino)phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



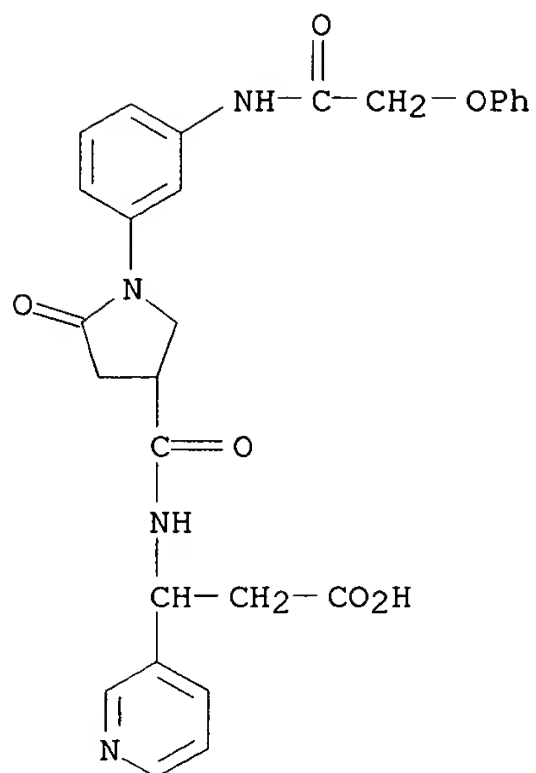
RN 345296-25-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(1-oxo-3-phenylpropyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



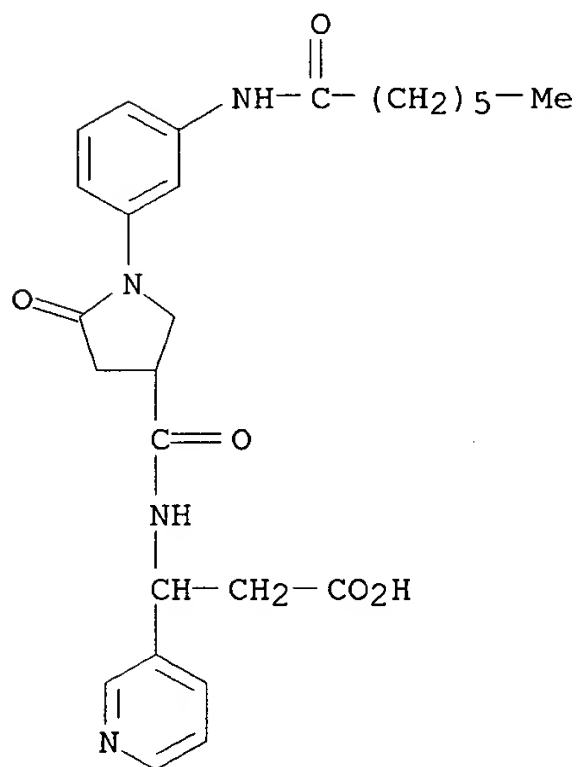
RN 345296-26-6 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(1-oxo-3-phenylpropyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



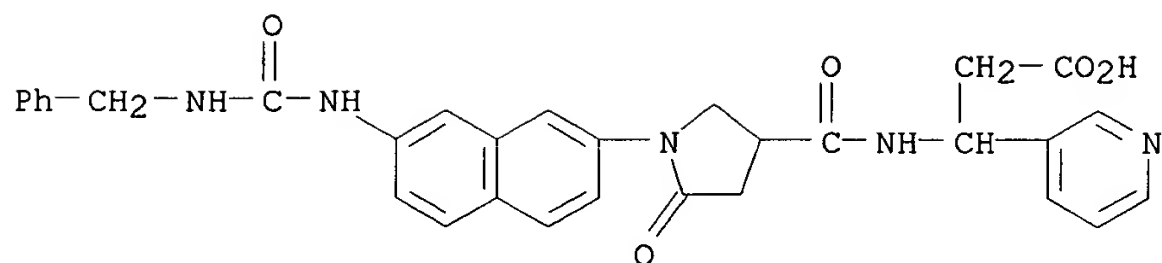
RN 345296-27-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(1-oxoheptyl)amino]phenyl]-3-pyrrolidiny]carbonyl]amino]- (9CI) (CA INDEX NAME)



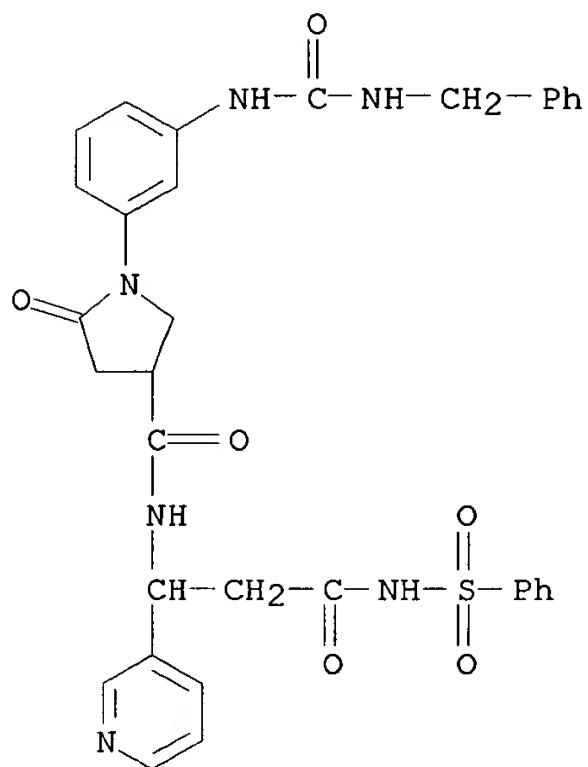
RN 345296-28-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[7-[[[(phenylmethyl)amino]carbonyl]amino]-2-naphthalenyl]-3-pyrrolidiny]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345296-29-9 CAPLUS

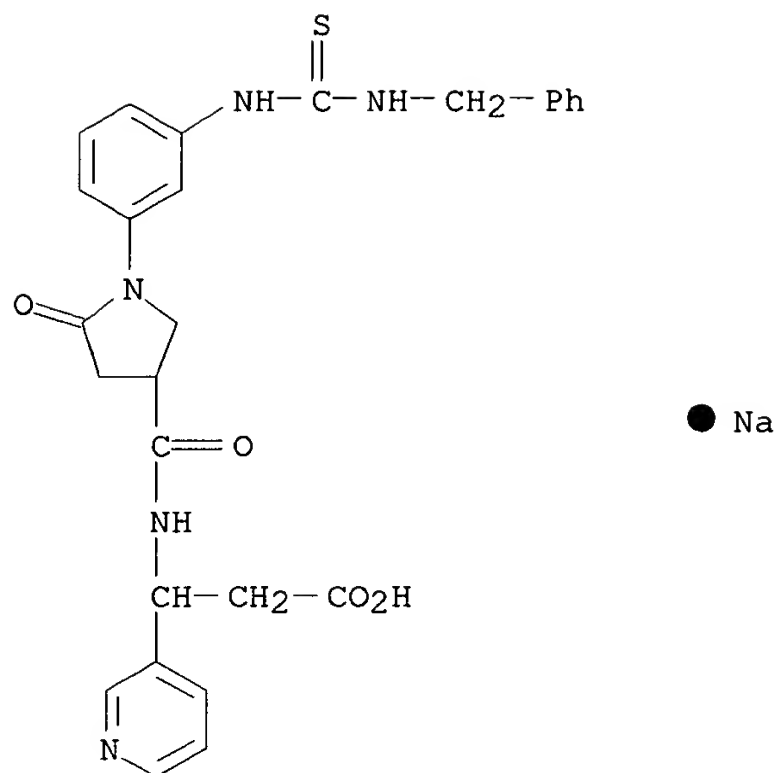
CN 3-Pyridinepropanamide, .beta.-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-N-(phenylsulfonyl)- (9CI)  
(CA INDEX NAME)



RN 345296-30-2 CAPLUS

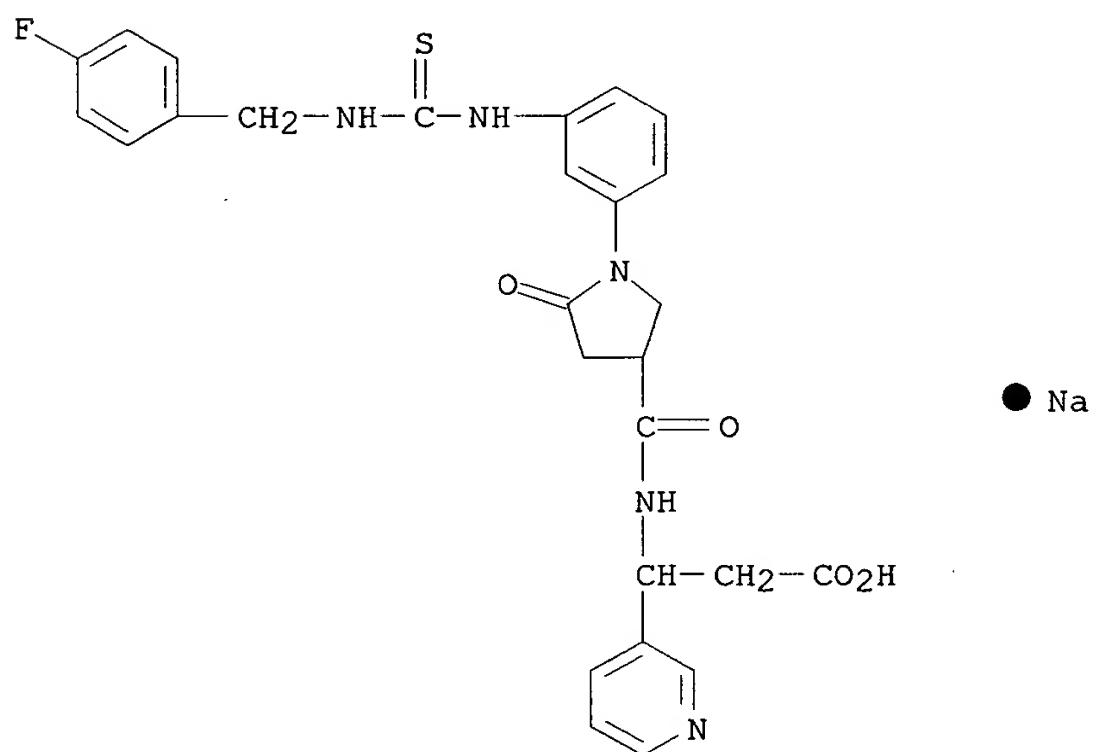
CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]thioxomethyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)





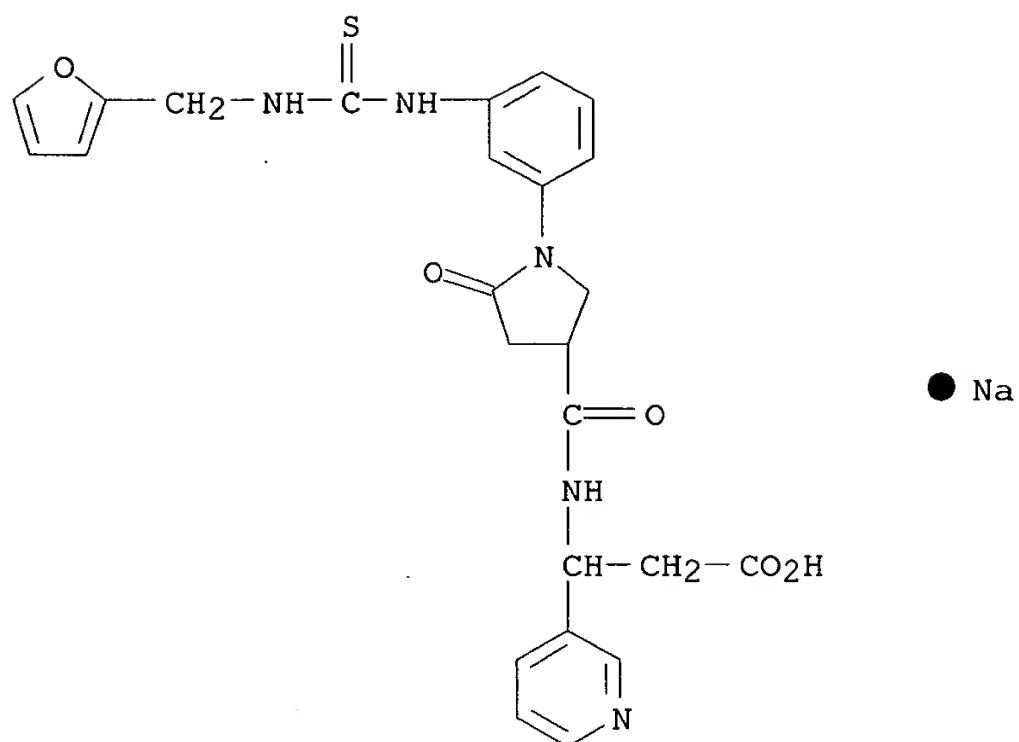
RN 345296-31-3 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(4-fluorophenyl)methyl]amino]thioxomethyl]amino]phenyl]-5-oxo-3-pyrrolidiny]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



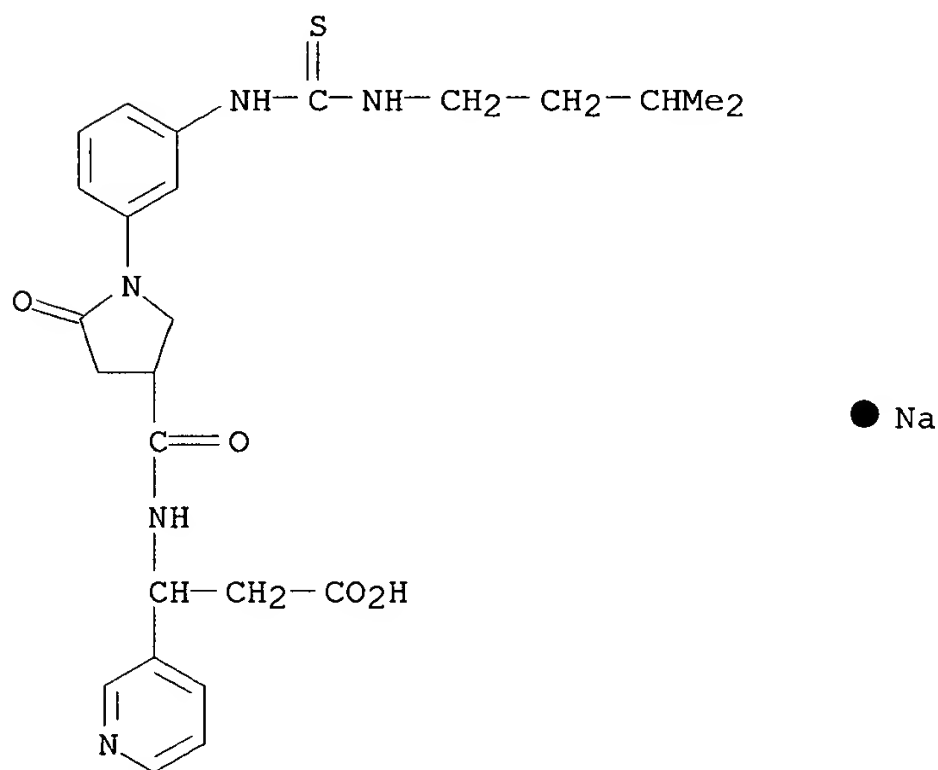
RN 345296-32-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(2-furanylmethyl)amino]thioxomethyl]amino]phenyl]-5-oxo-3-pyrrolidiny]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



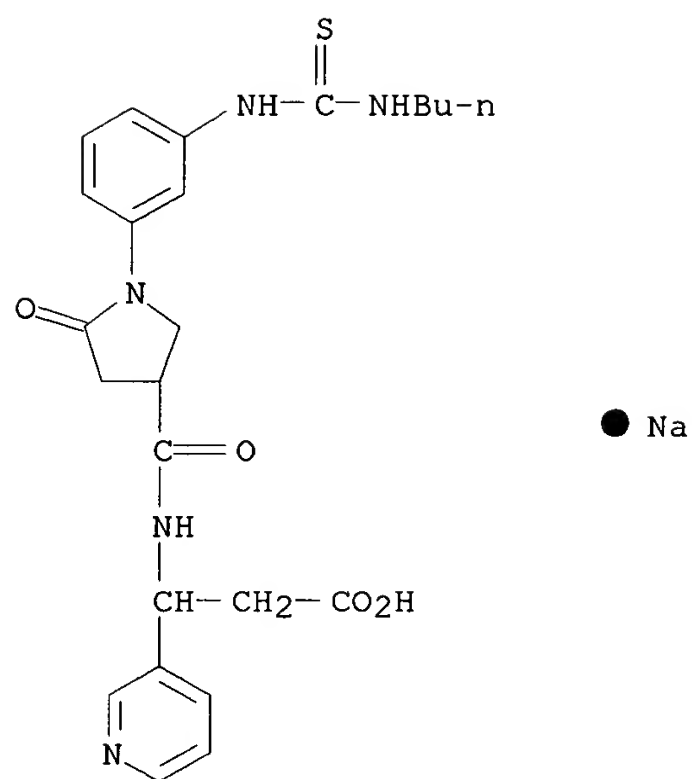
RN 345296-33-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(3-methylbutyl)amino]thioxomethyl]amino]phenyl]-5-oxo-3-pyrrolidiny]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

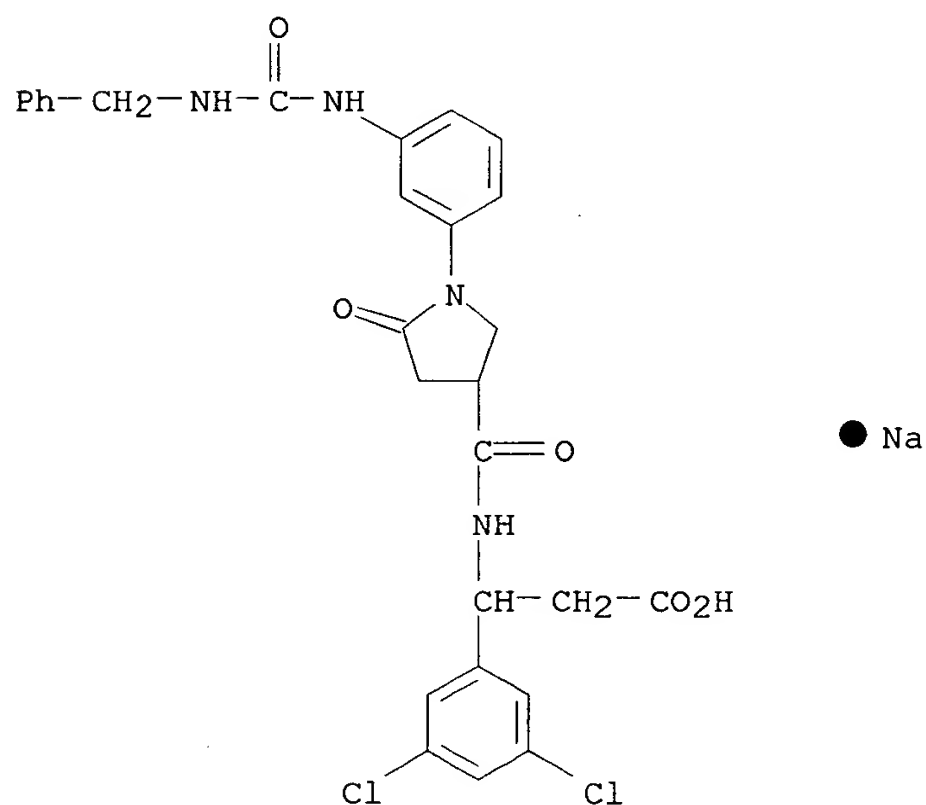


RN 345296-34-6 CAPLUS

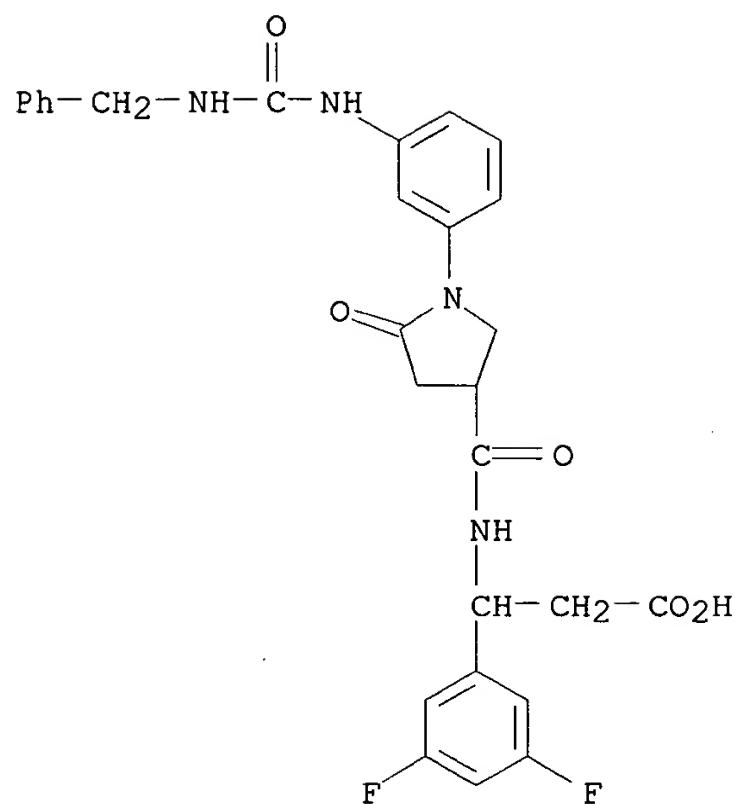
CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(butylamino)thioxomethyl]amino]phenyl]-5-oxo-3-pyrrolidiny]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



RN 345296-35-7 CAPLUS  
 CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[5-oxo-1-[3-  
 [[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-  
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

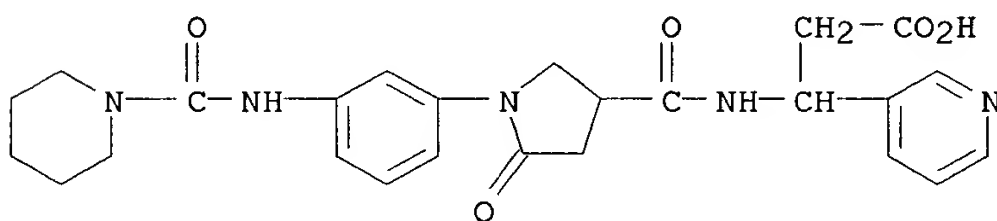


RN 345296-36-8 CAPLUS  
 CN Benzenepropanoic acid, 3,5-difluoro-.beta.-[[[5-oxo-1-[3-  
 [[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-  
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



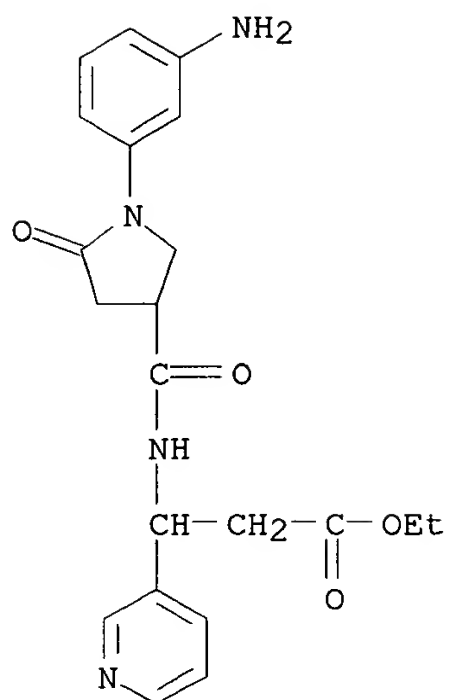
RN 345296-37-9 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(1-piperidinylcarbonyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI)  
(CA INDEX NAME)



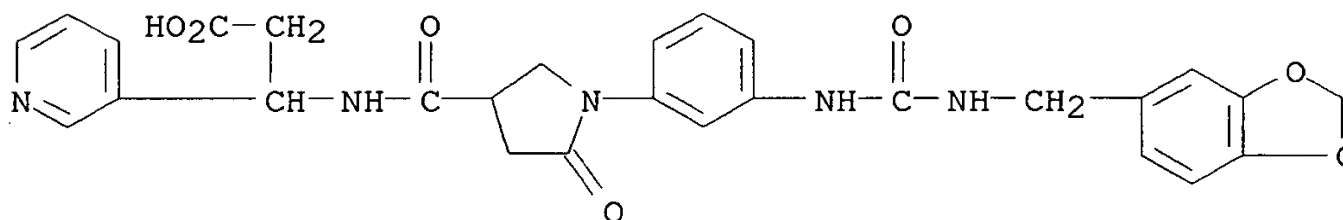
RN 345296-38-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-(3-aminophenyl)-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 345296-39-1 CAPLUS

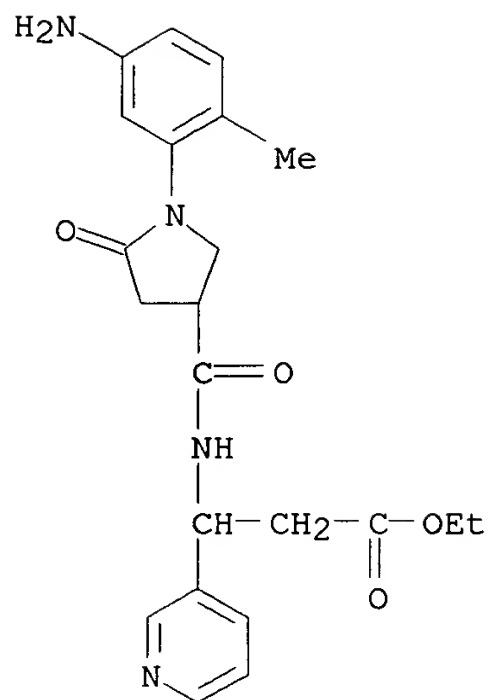
CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(1,3-benzodioxol-5-ylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

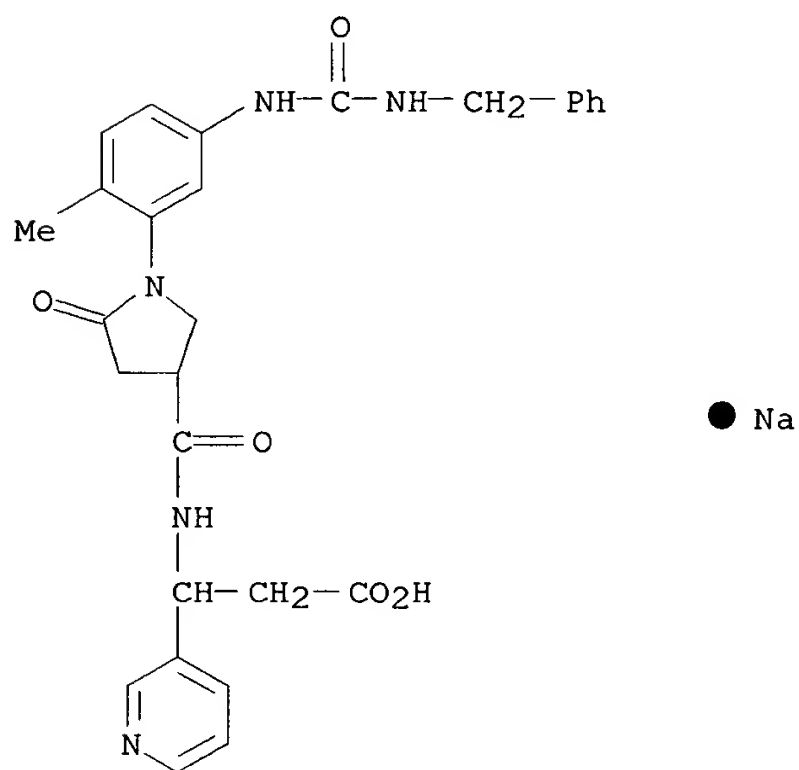
RN 345296-40-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-(5-amino-2-methylphenyl)-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



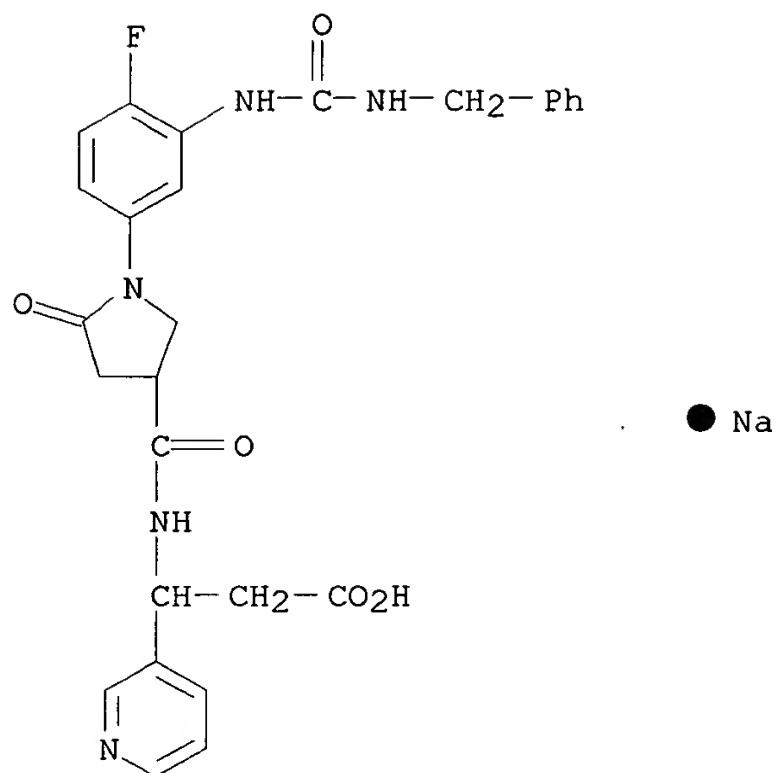
RN 345296-41-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[2-methyl-5-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidiny]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



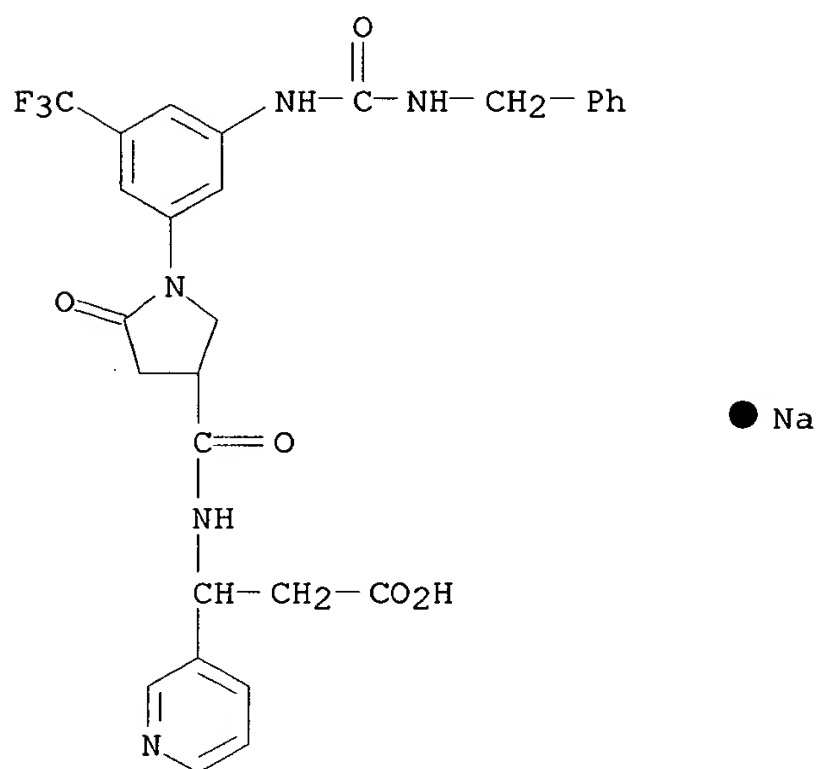
RN 345296-42-6 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[4-fluoro-3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidiny]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



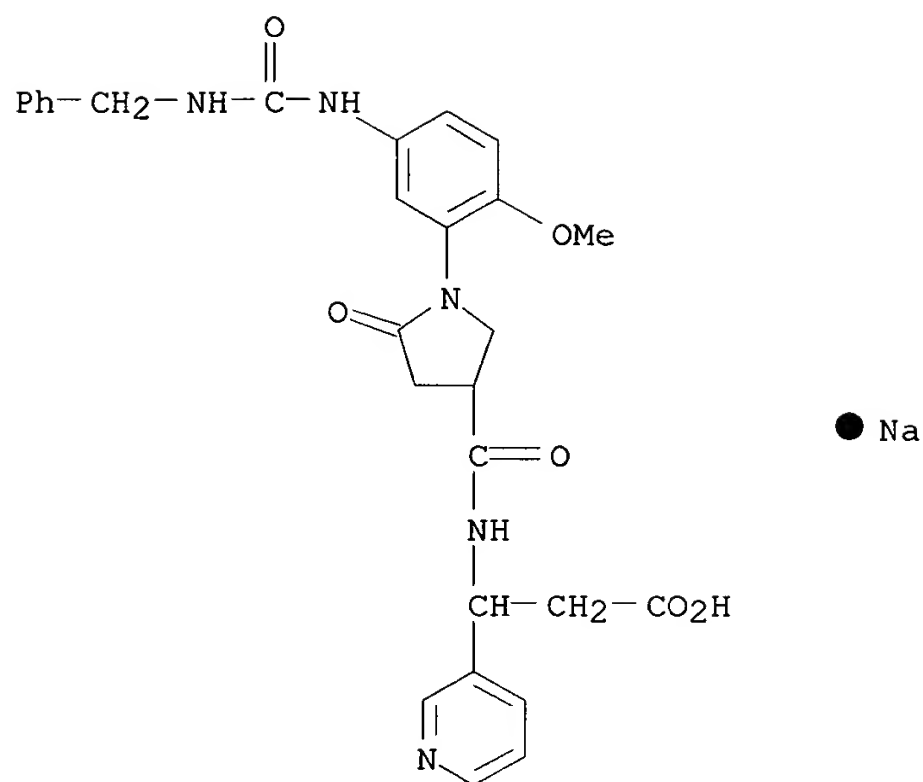
RN 345296-43-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-  
 [[[ (phenylmethyl) amino] carbonyl] amino]-5-(trifluoromethyl)phenyl]-3-  
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

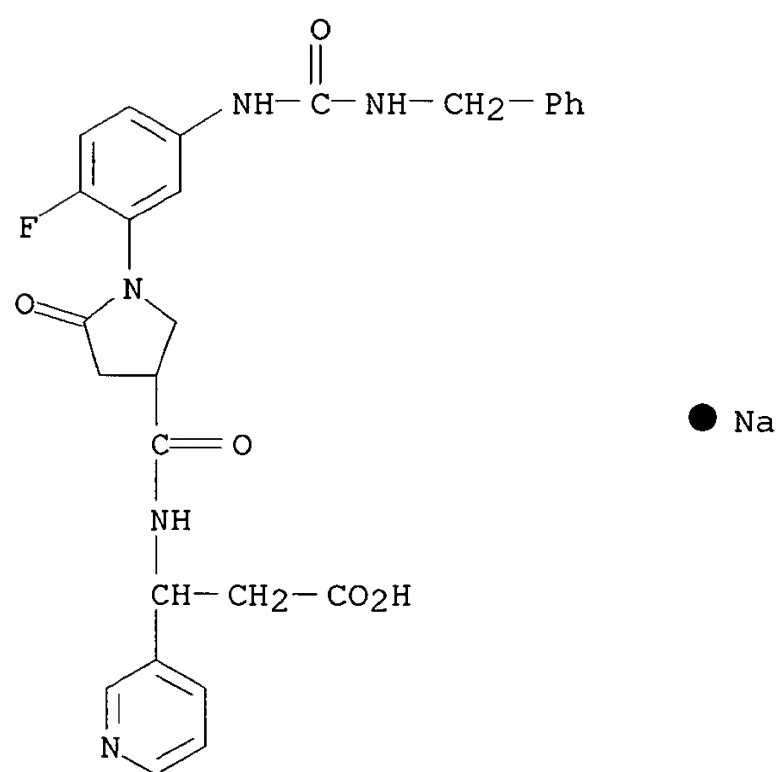


RN 345296-44-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[2-methoxy-5-  
 [[[ (phenylmethyl) amino] carbonyl] amino]phenyl]-5-oxo-3-  
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

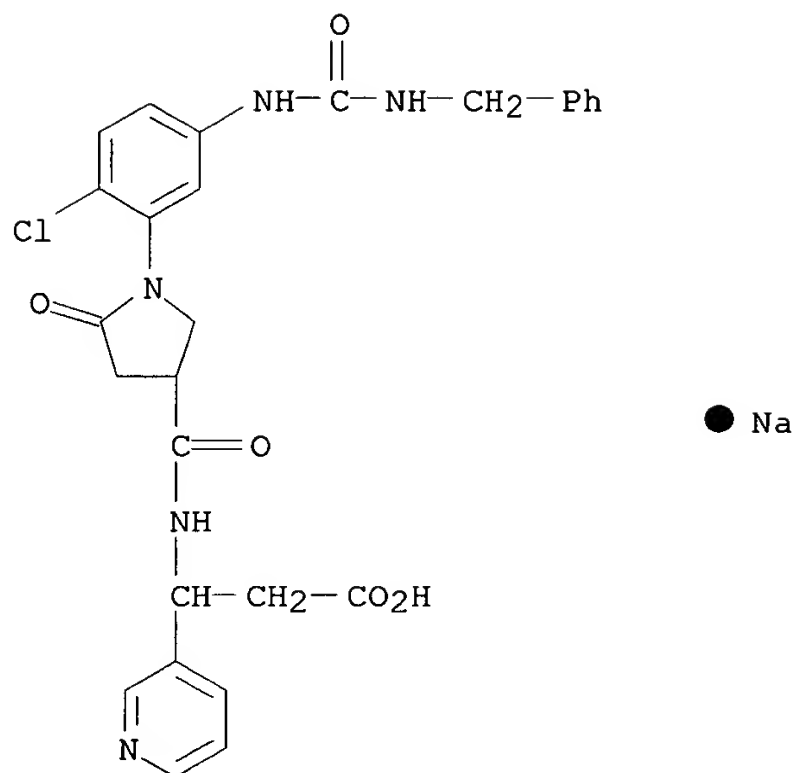


RN 345296-45-9 CAPLUS  
 CN 3-Pyridinepropanoic acid, .beta.-[[[1-[2-fluoro-5-  
 [[[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-  
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

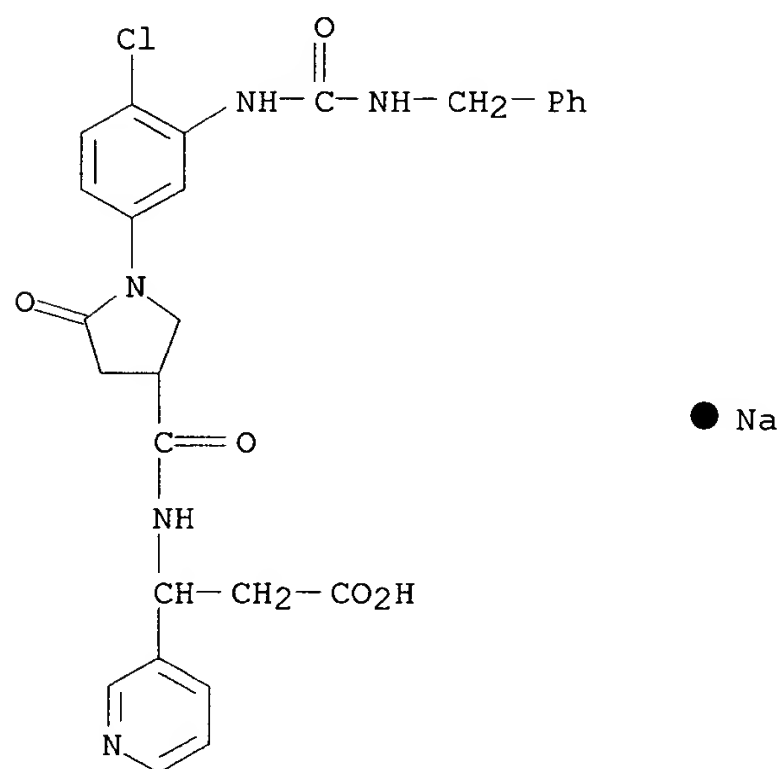


RN 345296-46-0 CAPLUS  
 CN 3-Pyridinepropanoic acid, .beta.-[[[1-[2-chloro-5-  
 [[[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-  
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

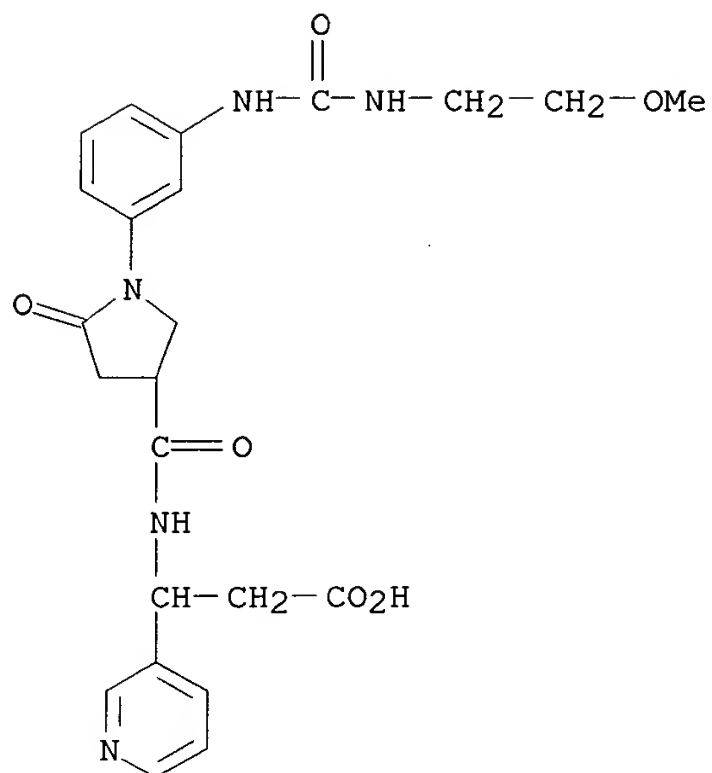




RN 345296-47-1 CAPLUS  
 CN 3-Pyridinepropanoic acid, .beta.-[[[1-[4-chloro-3-  
 [[[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-  
 pyrrolidiny]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



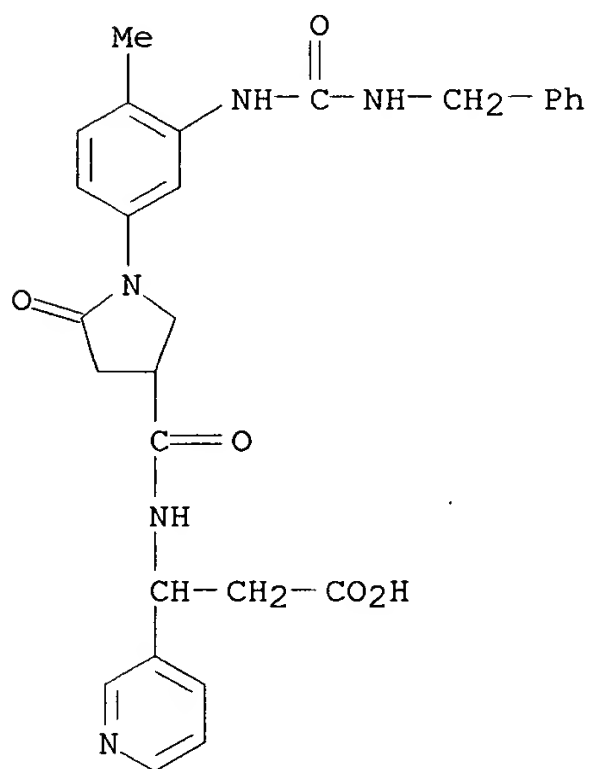
RN 345296-48-2 CAPLUS  
 CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(2-  
 methoxyethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-  
 pyrrolidiny]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 345296-49-3 CAPLUS

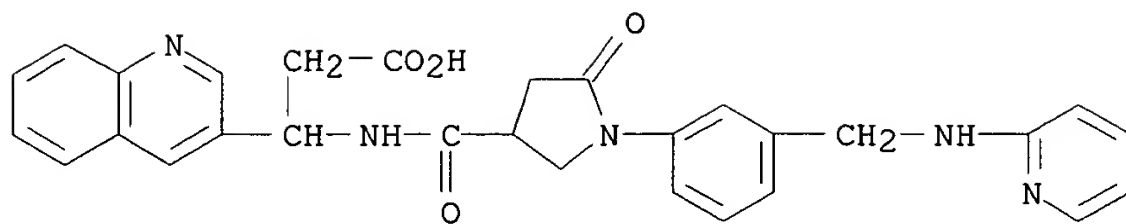
CN 3-Pyridinepropanoic acid, .beta.-[[[1-[4-methyl-3-  
 [[[ (phenylmethyl) amino] carbonyl] amino] phenyl]-5-oxo-3-  
 pyrrolidinyl] carbonyl] amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 345296-50-6 CAPLUS

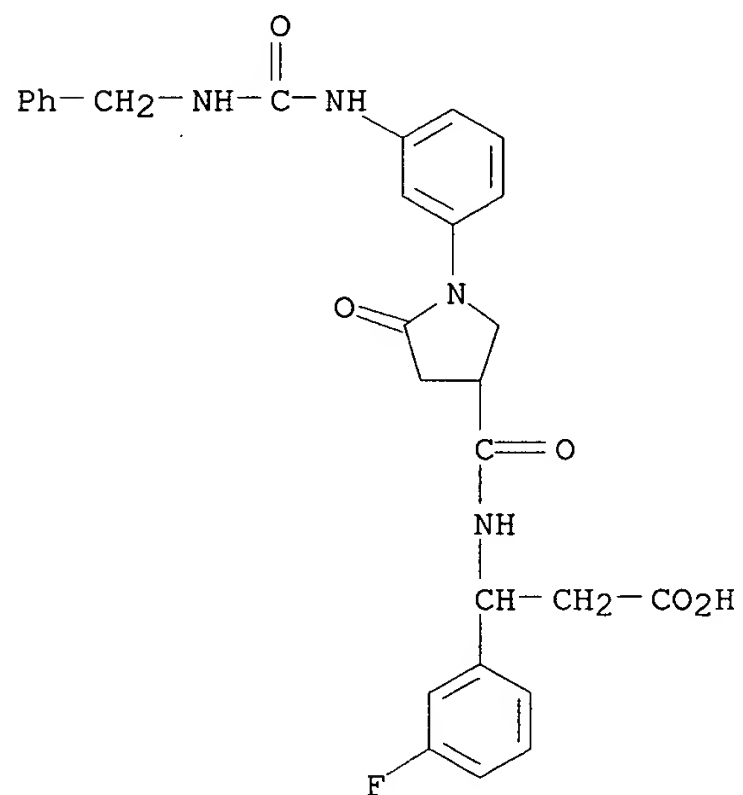
CN 3-Quinolinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(2-  
 pyridinylamino) methyl] phenyl]-3-pyrrolidinyl] carbonyl] amino]-, monosodium  
 salt (9CI) (CA INDEX NAME)



● Na

RN 345296-51-7 CAPLUS

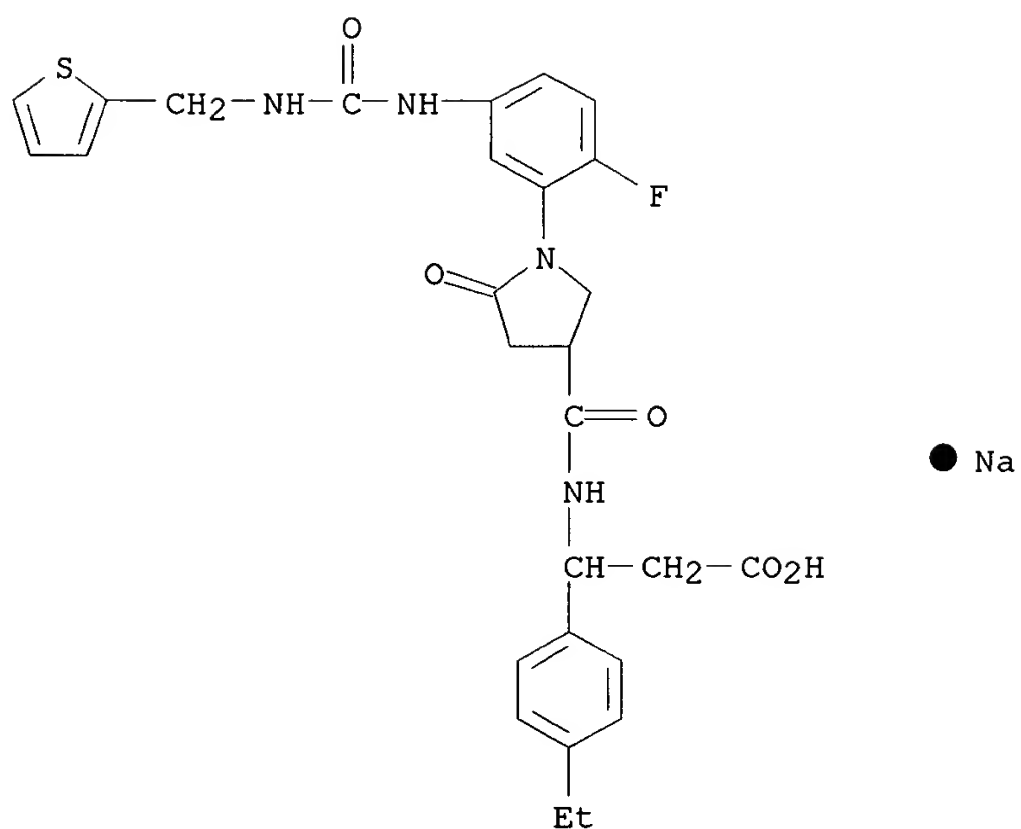
CN Benzenepropanoic acid, 3-fluoro-.beta.-[[[5-oxo-1-[3-  
 [[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-  
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 345296-52-8 CAPLUS

CN Benzenepropanoic acid, 4-ethyl-.beta.-[[[1-[2-fluoro-5-[[[(2-  
 thienylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-  
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



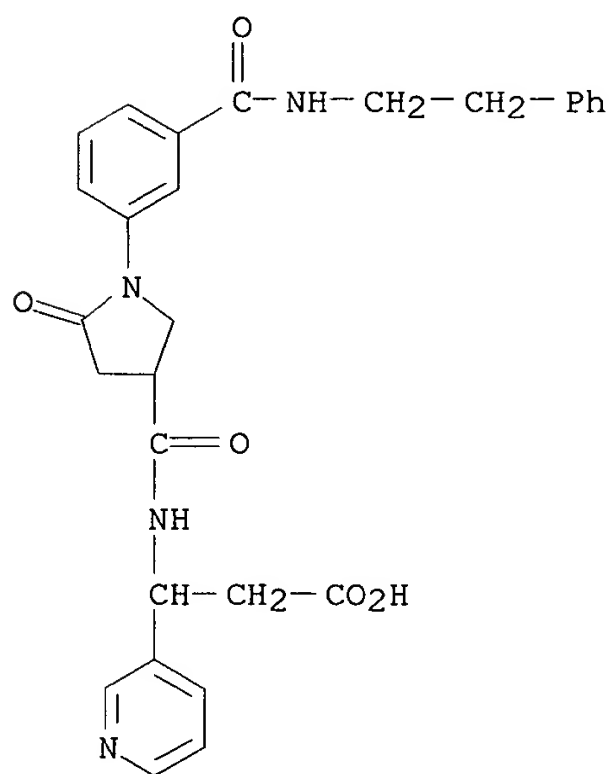
RN 345296-54-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[ (2-phenylethyl)amino]carbonyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-53-9

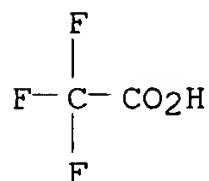
CMF C28 H28 N4 O5



CM 2

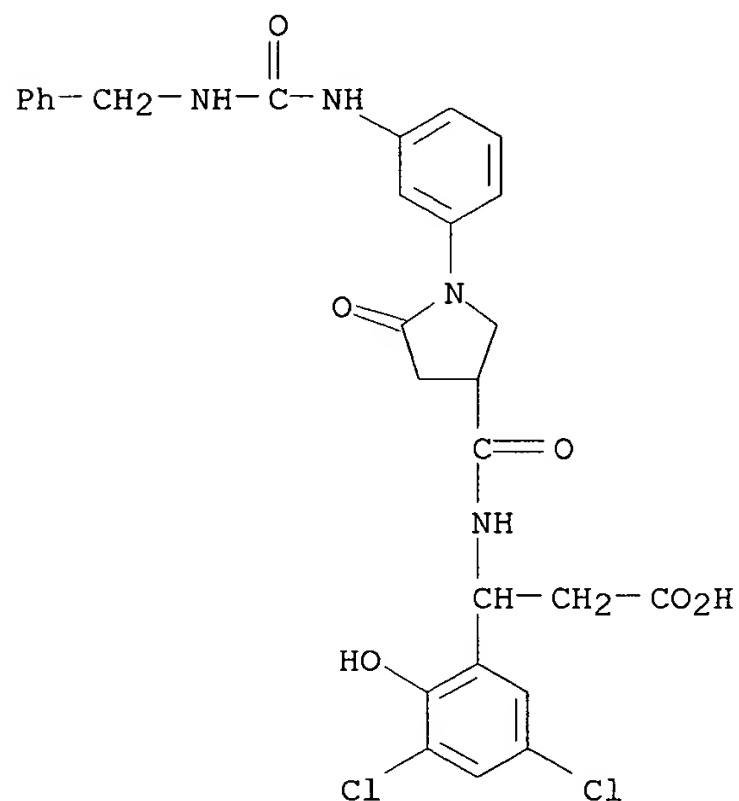
CRN 76-05-1

CMF C2 H F3 O2



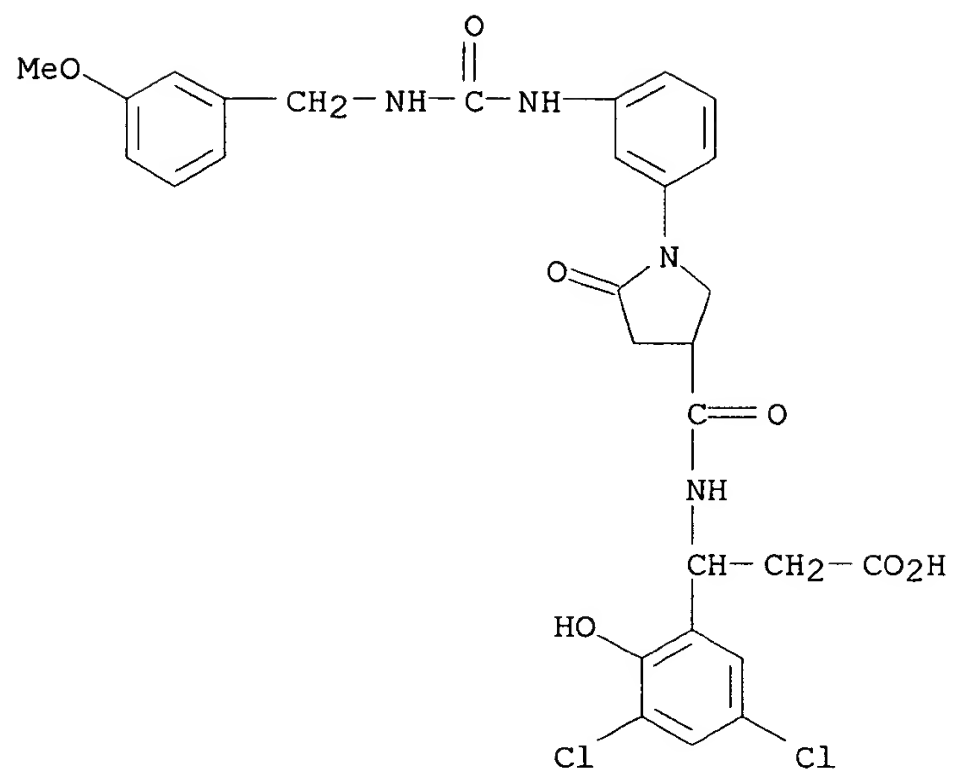
RN 345296-55-1 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-2-hydroxy-.beta.-[[[5-oxo-1-[3-  
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-  
pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



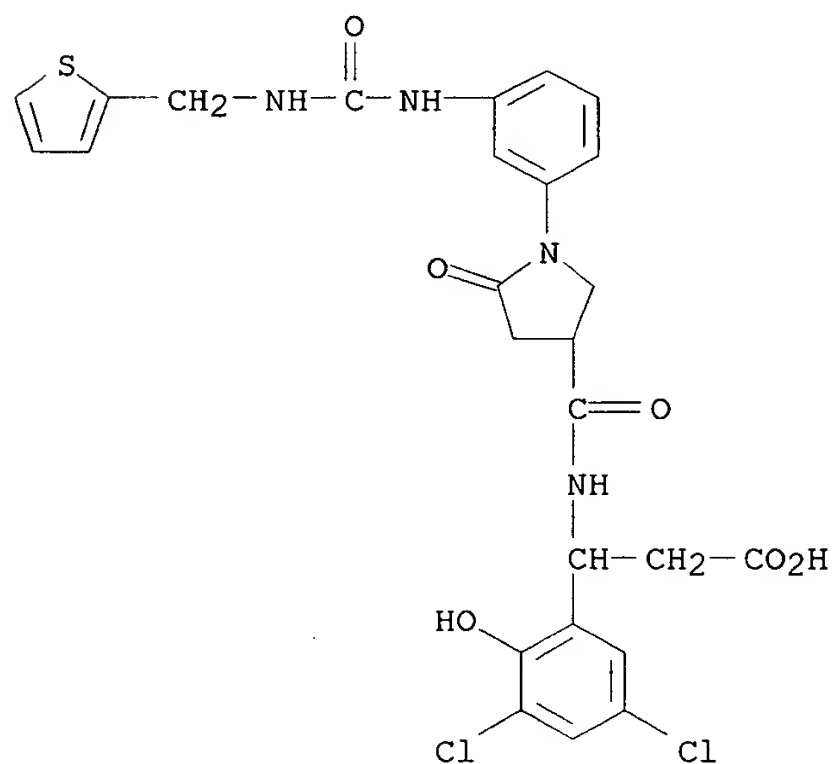
RN 345296-56-2 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-2-hydroxy-.beta.-[[[1-[3-[[[(3-methoxyphenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



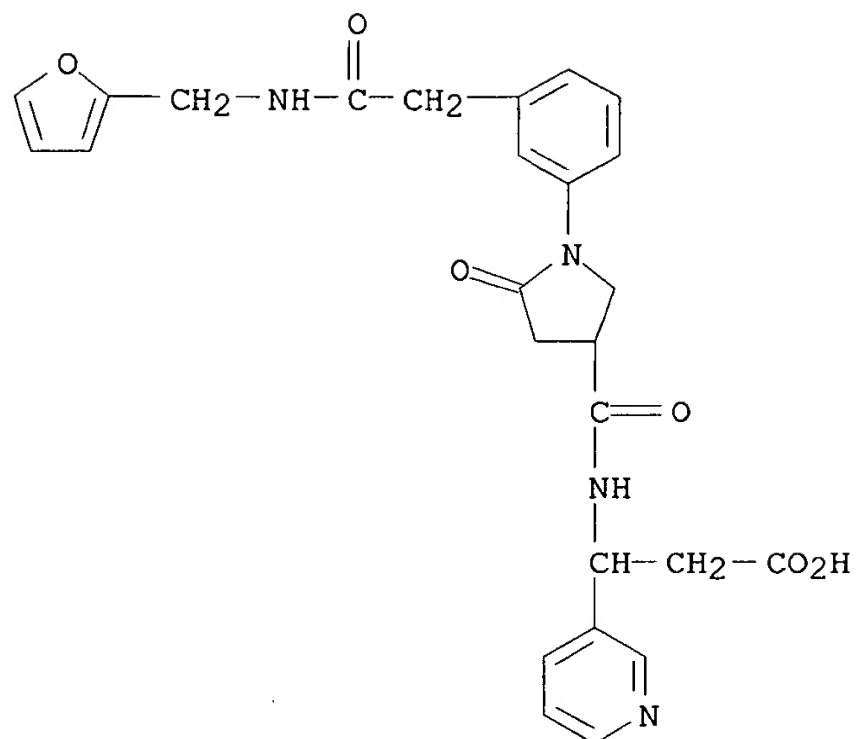
RN 345296-57-3 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-2-hydroxy-.beta.-[[[5-oxo-1-[3-[[[(2-thienyl)methyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



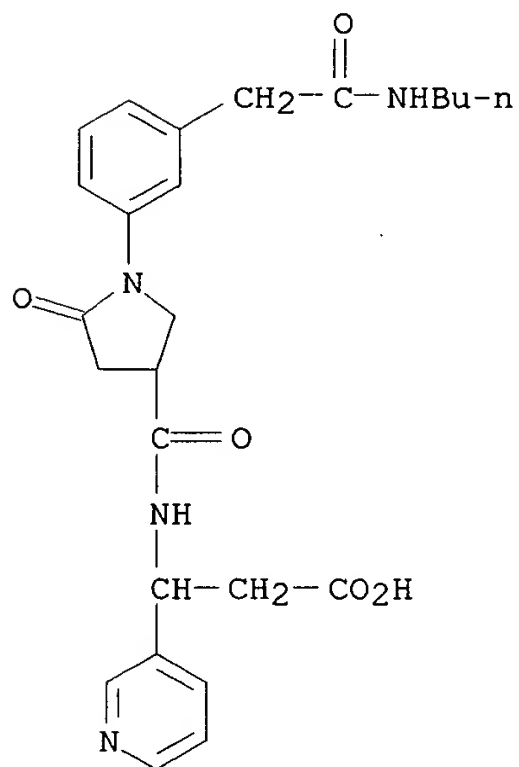
RN 345296-58-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[2-[(2-furanylmethyl)amino]-2-oxoethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



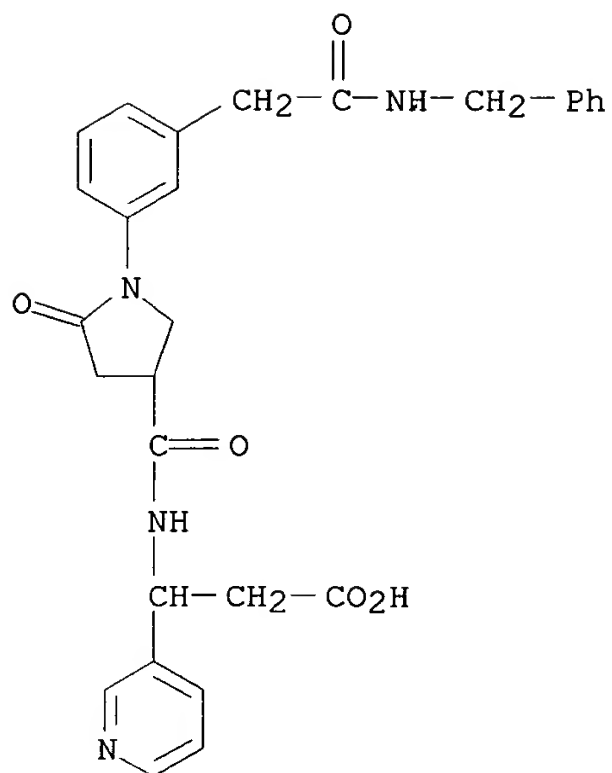
RN 345296-59-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[2-(butylamino)-2-oxoethyl]phenyl]-5-oxo-3-pyrrolidiny]carbonyl]amino]- (9CI) (CA INDEX NAME)



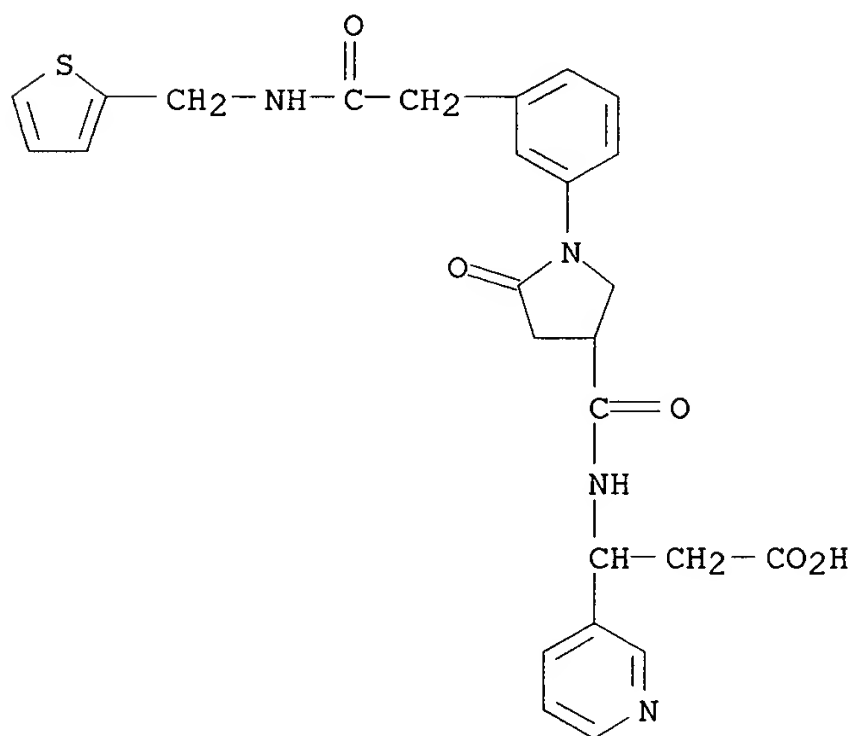
RN 345296-60-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[2-oxo-2-[(phenylmethyl)amino]ethyl]phenyl]-3-pyrrolidiny]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345296-61-9 CAPLUS

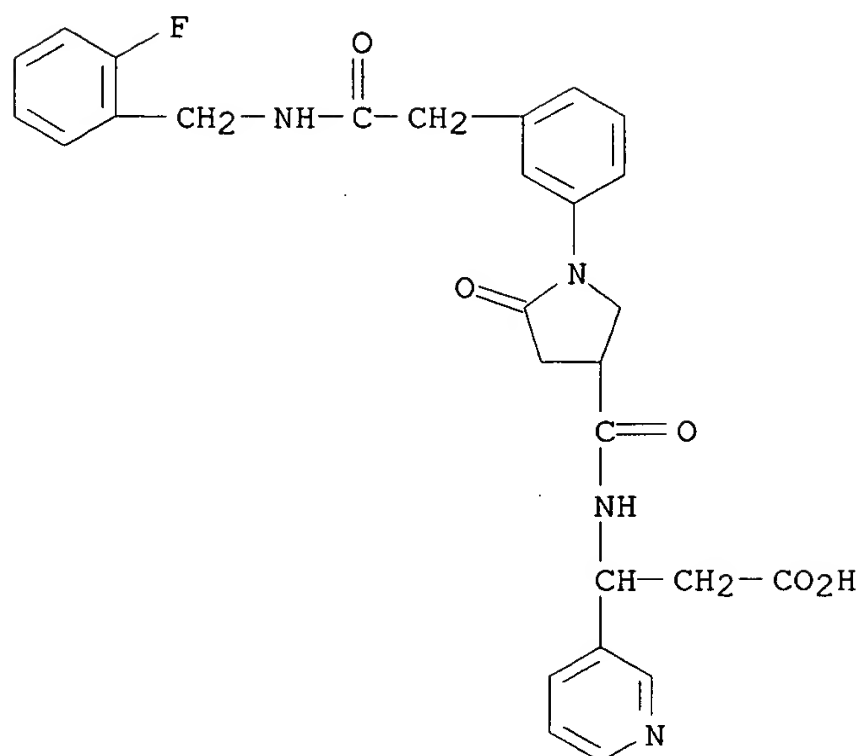
CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-3-pyrrolidiny]carbonyl]amino]- (9CI)  
(CA INDEX NAME)



RN 345296-62-0 CAPLUS

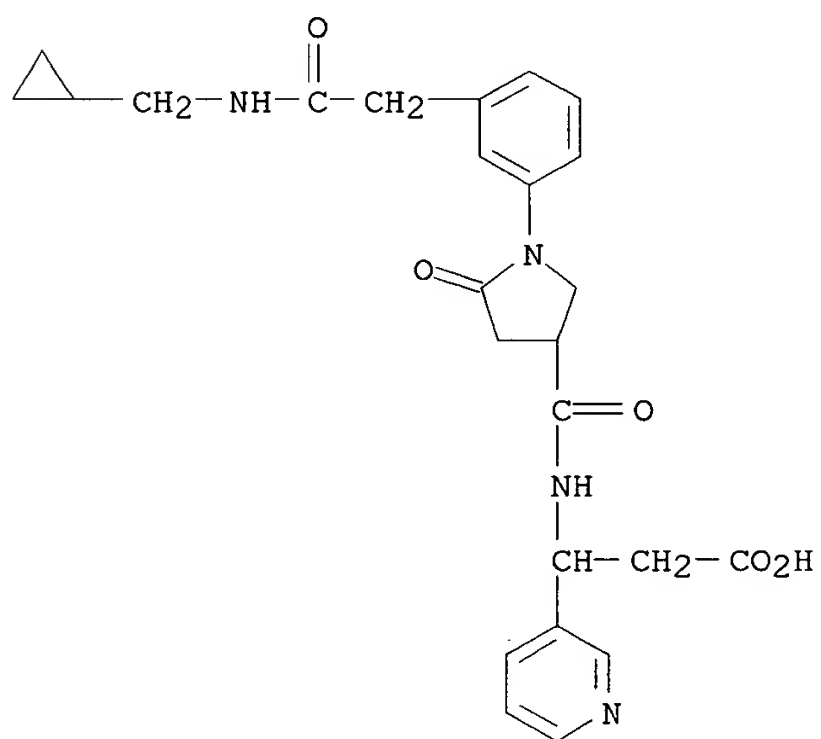
CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[2-[[[2-(2-fluorophenyl)methyl]amino]-2-oxoethyl]phenyl]-5-oxo-3-pyrrolidiny]carbonyl]amino]- (9CI) (CA INDEX NAME)





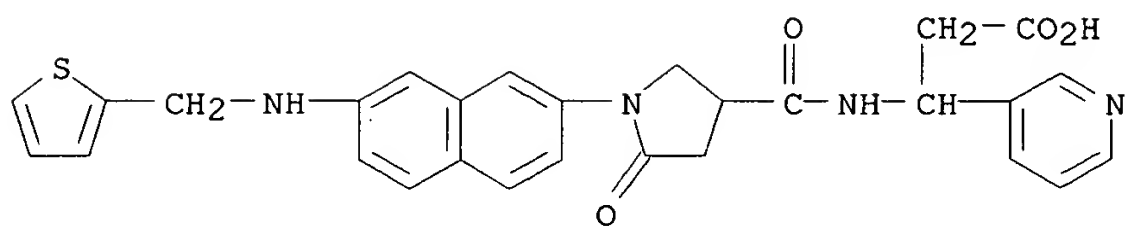
RN 345296-63-1 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[2-[(cyclopropylmethyl)amino]-2-oxoethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345296-64-2 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[7-[(2-thienylmethyl)amino]-2-naphthalenyl]-3-pyrrolidiny]l]carbonyl]amino]- (9CI) (CA INDEX NAME)



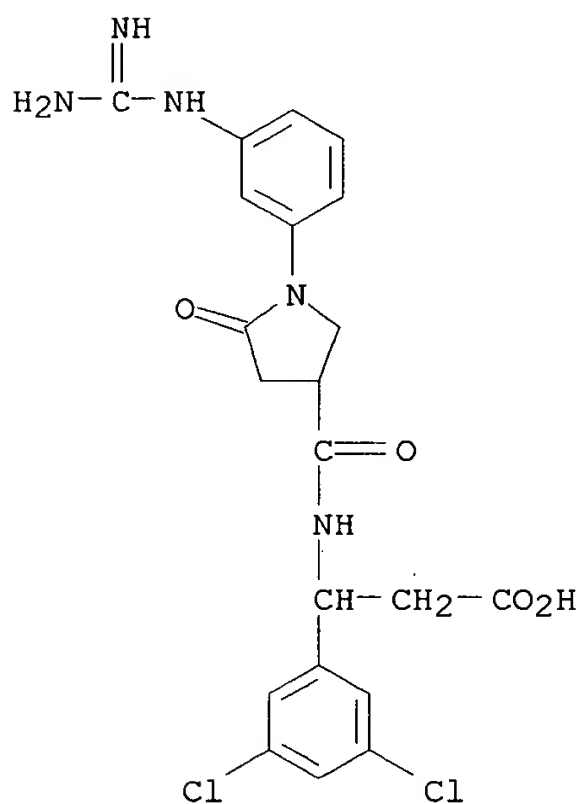
RN 345296-66-4 CAPLUS

CN Benzenepropanoic acid, .beta.-[[[1-[3-[(aminoiminomethyl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-3,5-dichloro-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-65-3

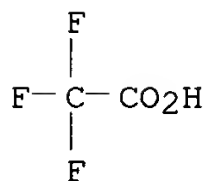
CMF C21 H21 Cl2 N5 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



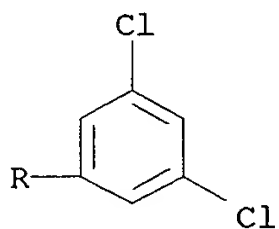
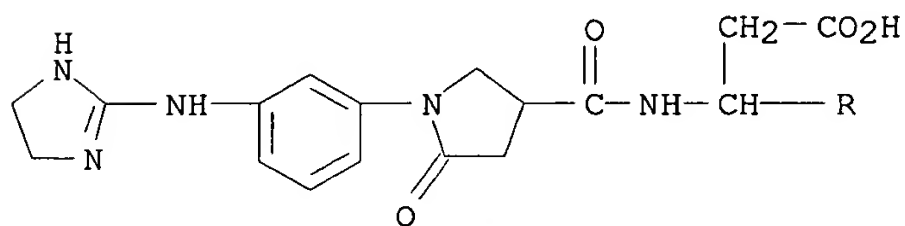
RN 345296-68-6 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[1-[3-[(4,5-dihydro-1H-imidazol-2-yl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-67-5

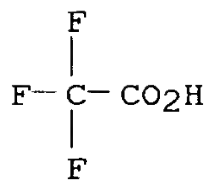
CMF C23 H23 Cl2 N5 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



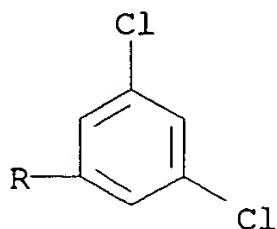
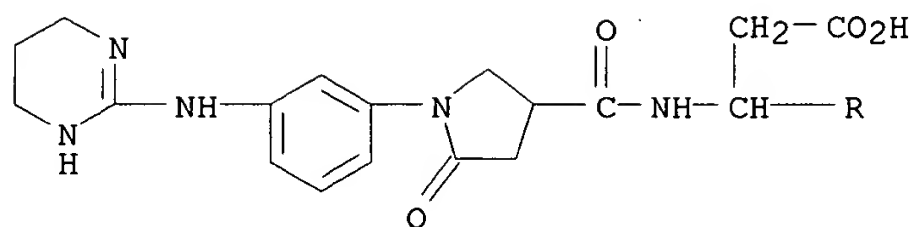
RN 345296-70-0 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-69-7

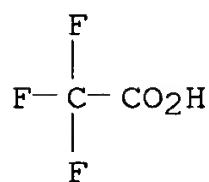
CMF C24 H25 Cl2 N5 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



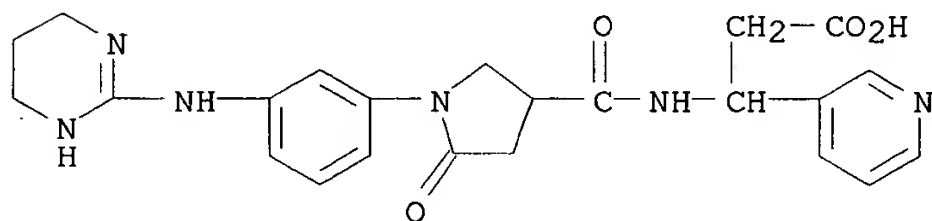
RN 345296-72-2 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-71-1

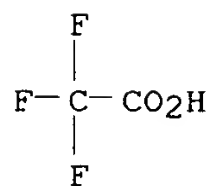
CMF C23 H26 N6 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



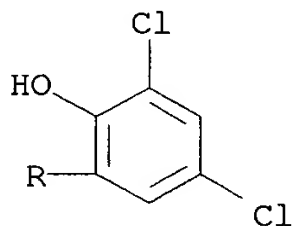
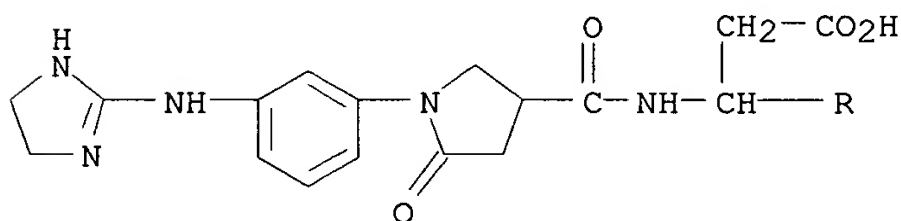
RN 345296-74-4 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[1-[3-[(4,5-dihydro-1H-imidazol-2-yl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-2-hydroxy-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-73-3

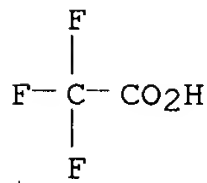
CMF C23 H23 Cl2 N5 O5



CM 2

CRN 76-05-1

CMF C2 H F3 O2



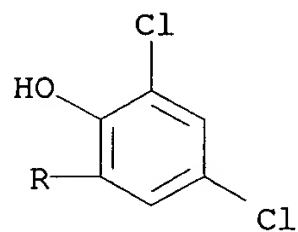
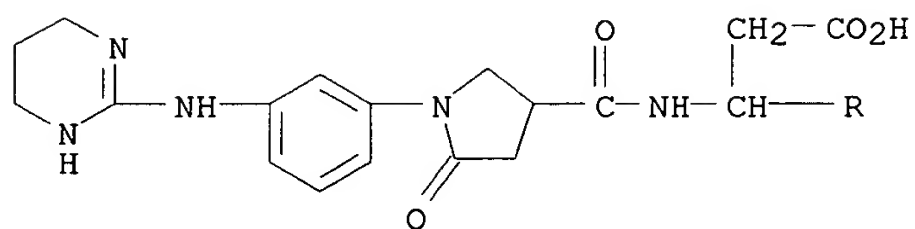
RN 345296-76-6 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-2-hydroxy-.beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-75-5

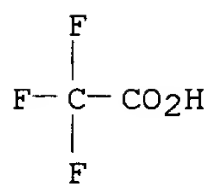
CMF C24 H25 Cl2 N5 O5



CM 2

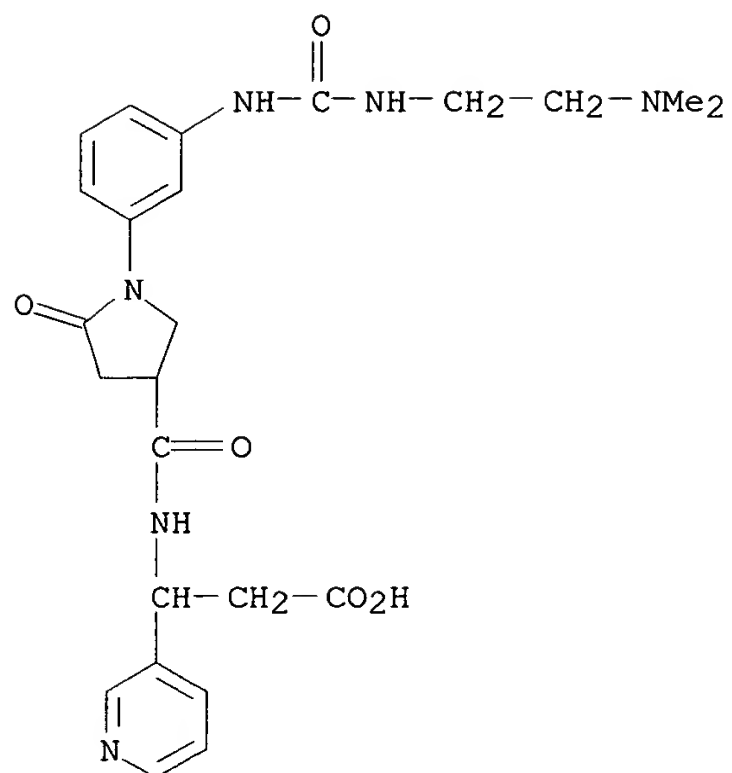
CRN 76-05-1

CMF C2 H F3 O2



RN 345296-77-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[2-(dimethylamino)ethyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345296-79-9 CAPLUS

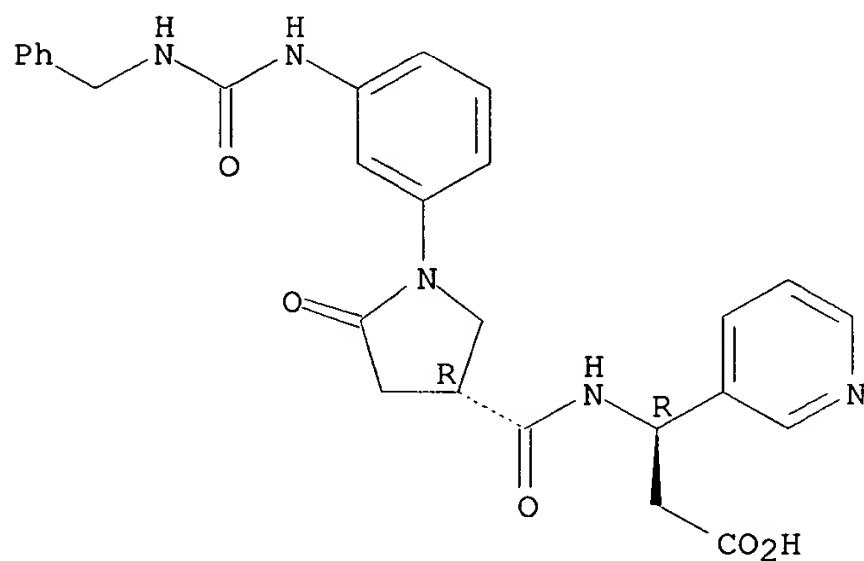
CN 3-Pyridinepropanoic acid, .beta.-[[[(3R)-5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, (.beta.R)-, mono(trifluoroacetate) (9CI)  
(CA INDEX NAME)

CM 1

CRN 345296-78-8

CMF C27 H27 N5 O5

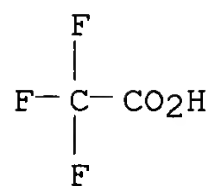
Absolute stereochemistry.



CM 2

CRN 76-05-1

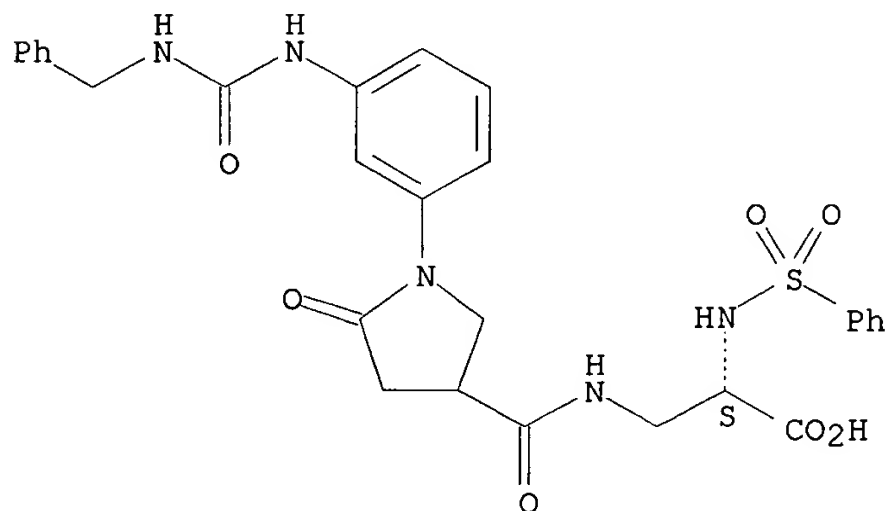
CMF C2 H F3 O2



RN 345296-81-3 CAPLUS

CN L-Alanine, 3-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-N-(phenylsulfonyl)-, monosodium salt (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.

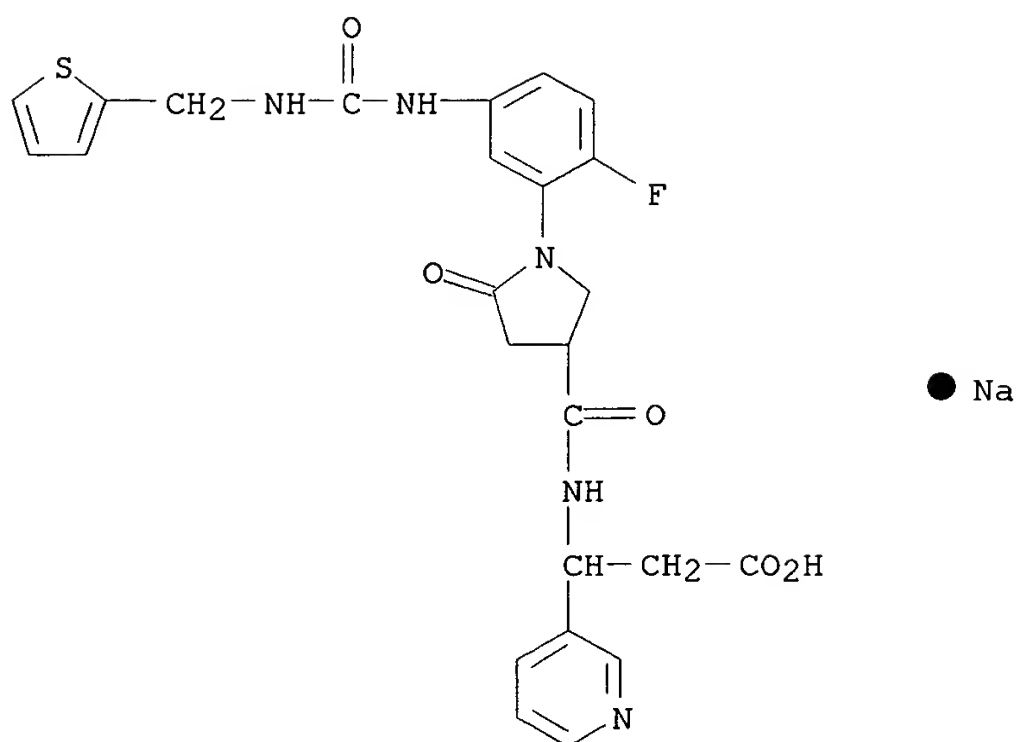


● Na

RN 345296-83-5 CAPLUS

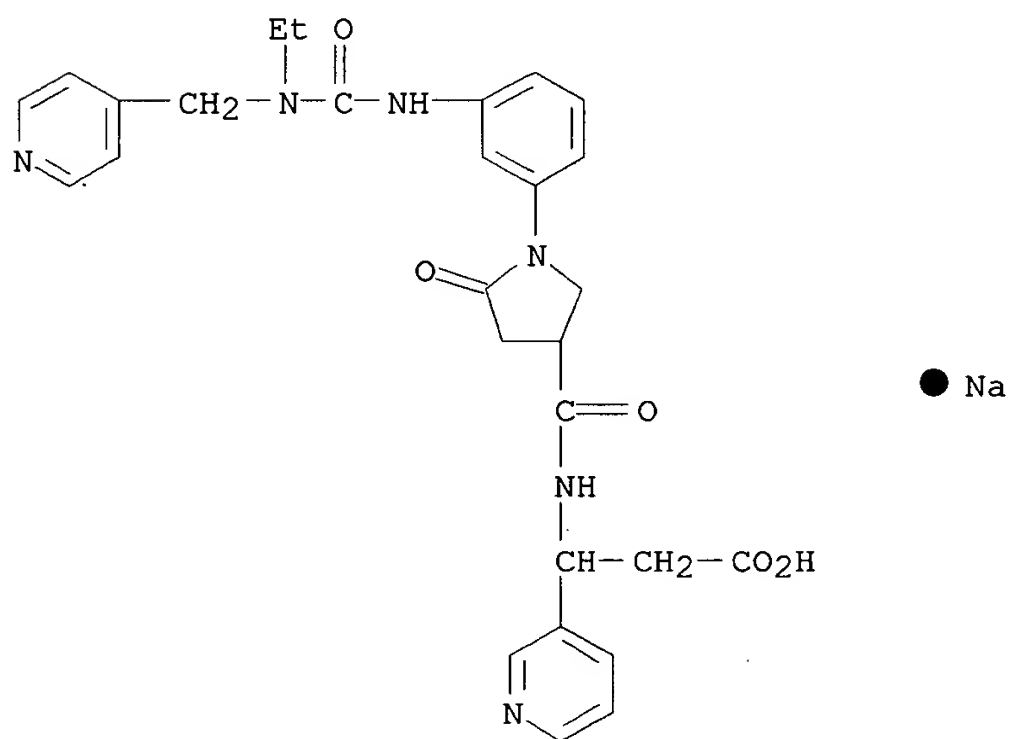
CN 3-Pyridinepropanoic acid, .beta.-[[[1-[2-fluoro-5-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)





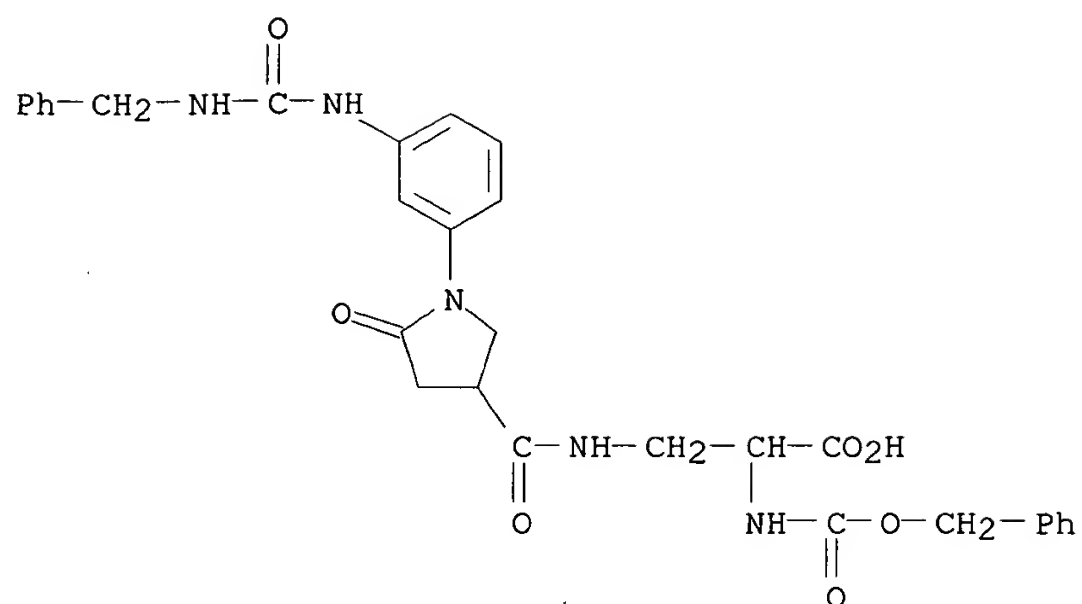
RN 345296-85-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[ethyl(4-pyridinylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



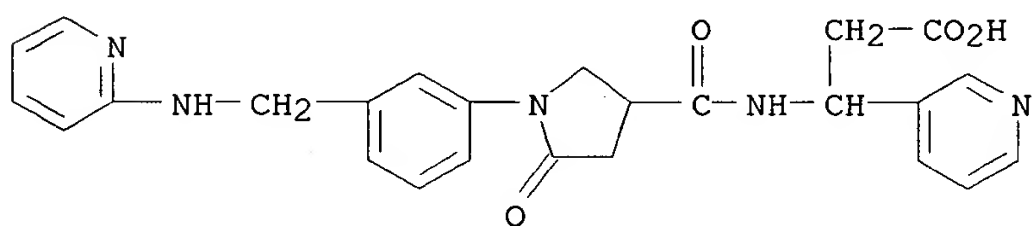
RN 345296-87-9 CAPLUS

CN Alanine, 3-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-N-[(phenylmethoxy)carbonyl]-, monosodium salt (9CI) (CA INDEX NAME)



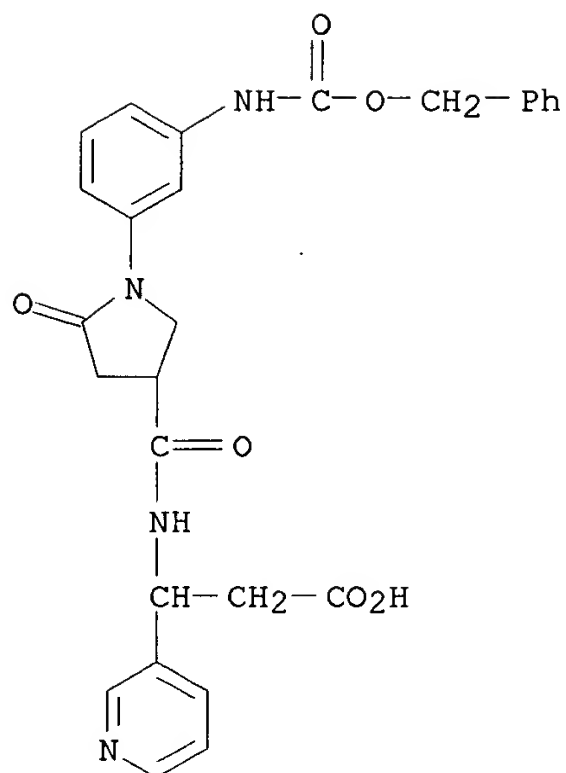
● Na

RN 345296-89-1 CAPLUS  
 CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(2-pyridinylamino)methyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



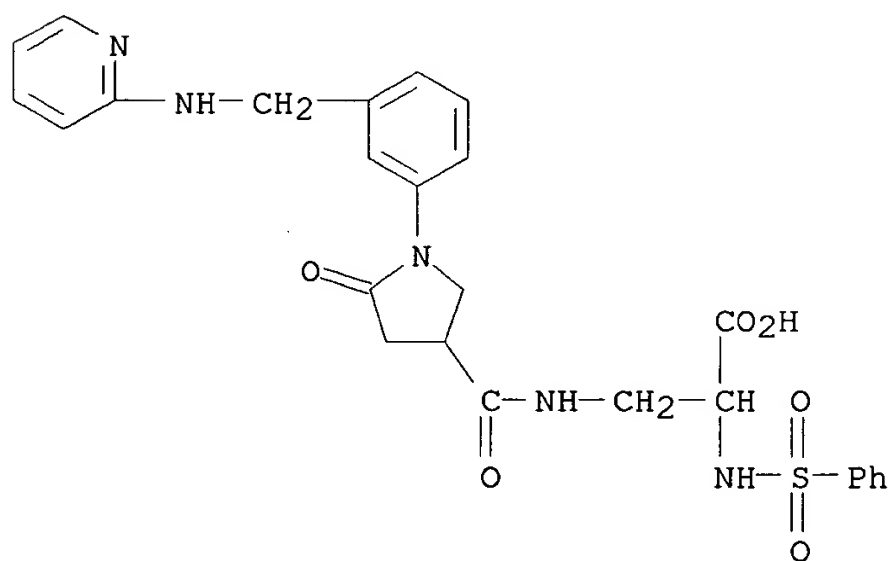
● Na

RN 345296-90-4 CAPLUS  
 CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(phenylmethoxy)carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



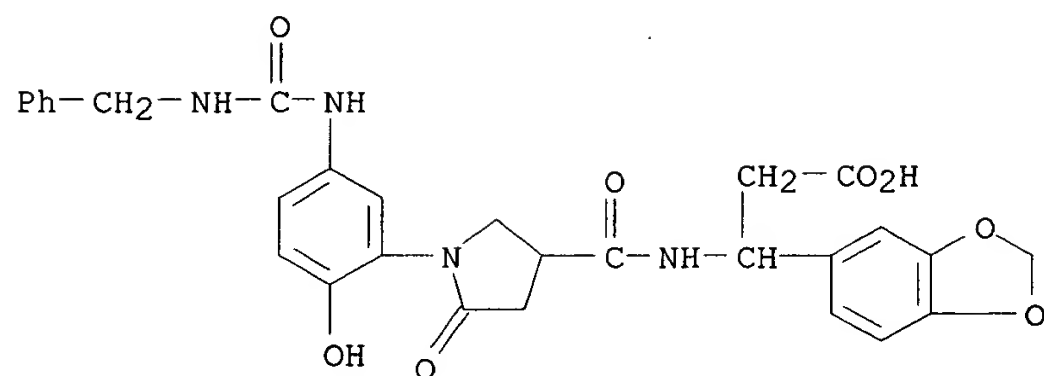
● Na

RN 345296-91-5 CAPLUS  
 CN Alanine, 3-[[[5-oxo-1-[3-[(2-pyridinylamino)methyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-N-(phenylsulfonyl)-, monosodium salt (9CI)  
 (CA INDEX NAME)



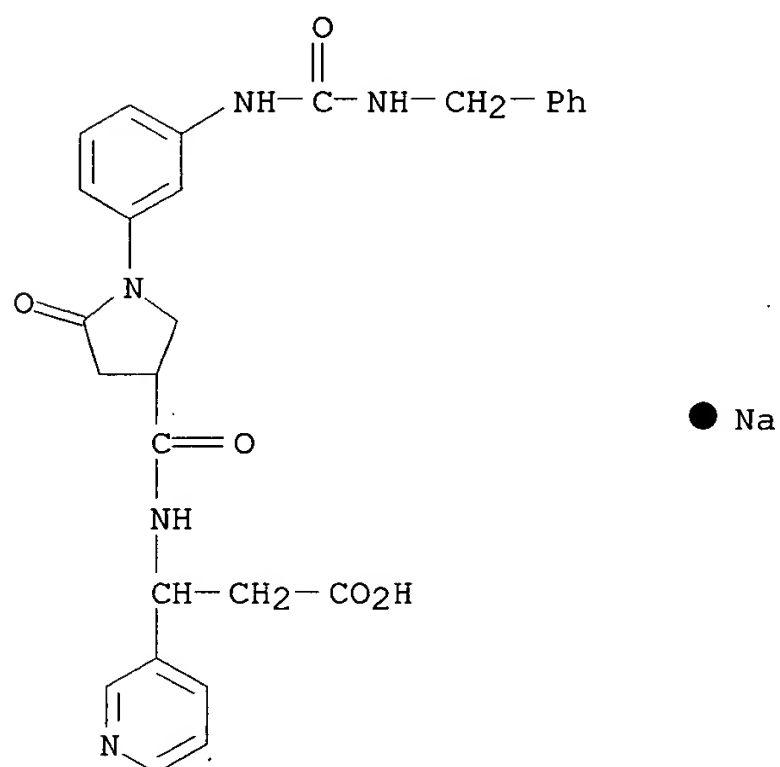
● Na

RN 345296-92-6 CAPLUS  
 CN 1,3-Benzodioxole-5-propanoic acid, .beta.-[[[1-[2-hydroxy-5-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



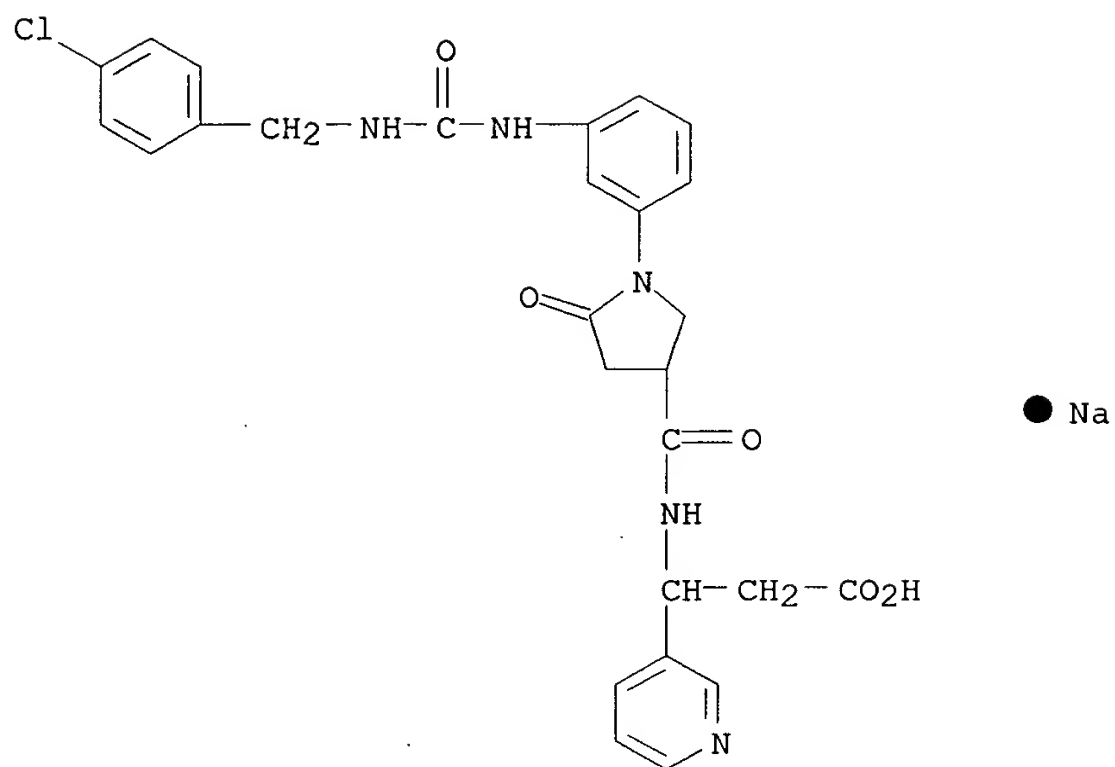
RN 345296-93-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-  
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-  
pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



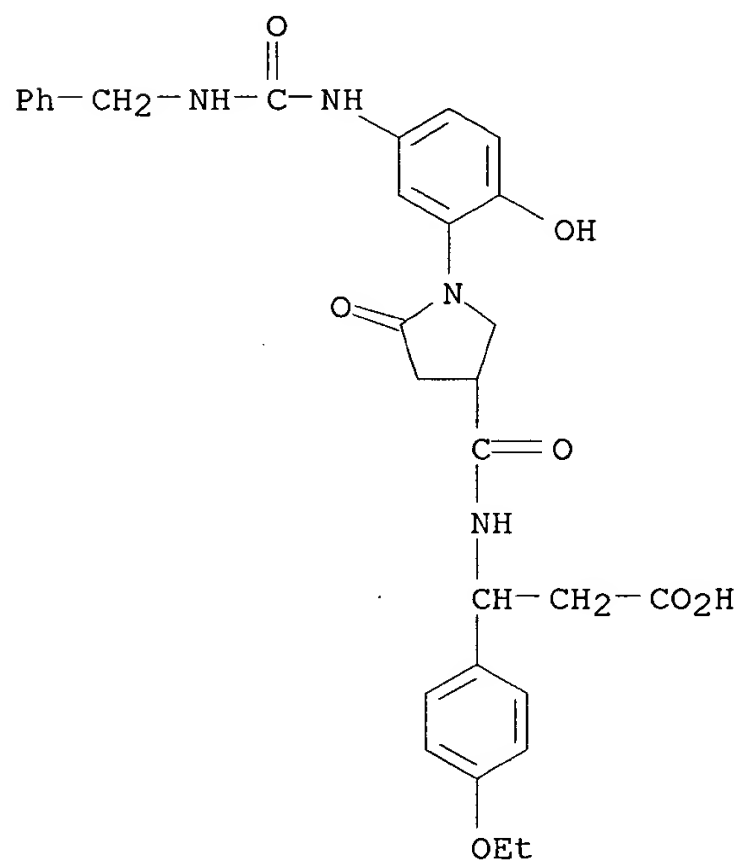
RN 345296-94-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(4-  
chlorophenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-  
pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



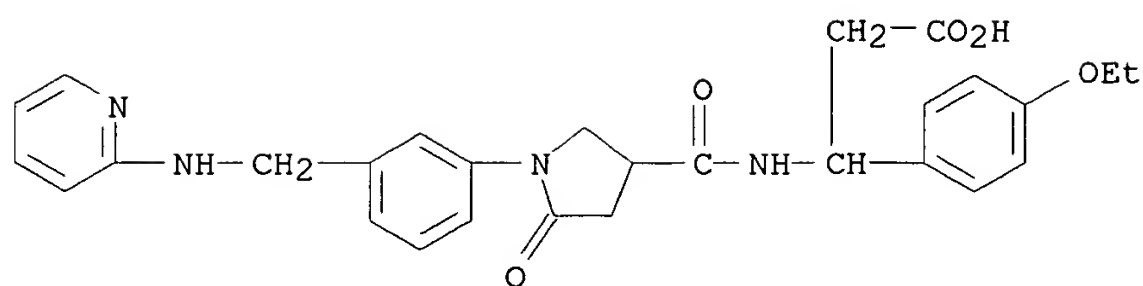
RN 345296-95-9 CAPLUS

CN Benzenepropanoic acid, 4-ethoxy-.beta.-[[[1-[2-hydroxy-5-  
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-  
pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345296-96-0 CAPLUS

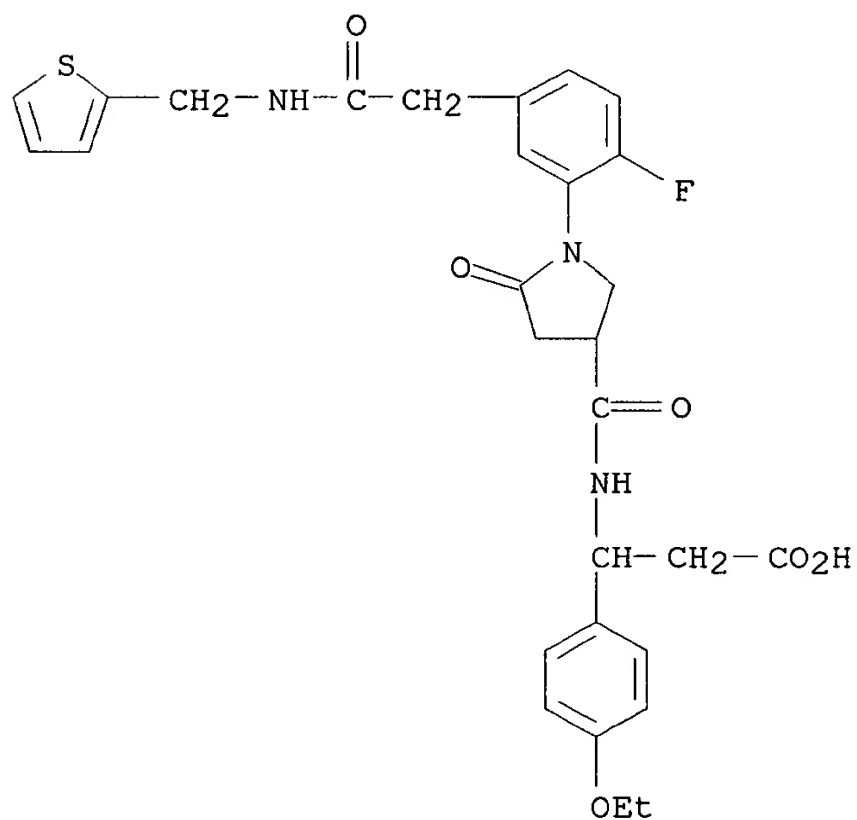
CN Benzenepropanoic acid, 4-ethoxy-.beta.-[[[5-oxo-1-[3-[(2-  
pyridinylamino)methyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium  
salt (9CI) (CA INDEX NAME)



● Na

RN 345296-97-1 CAPLUS

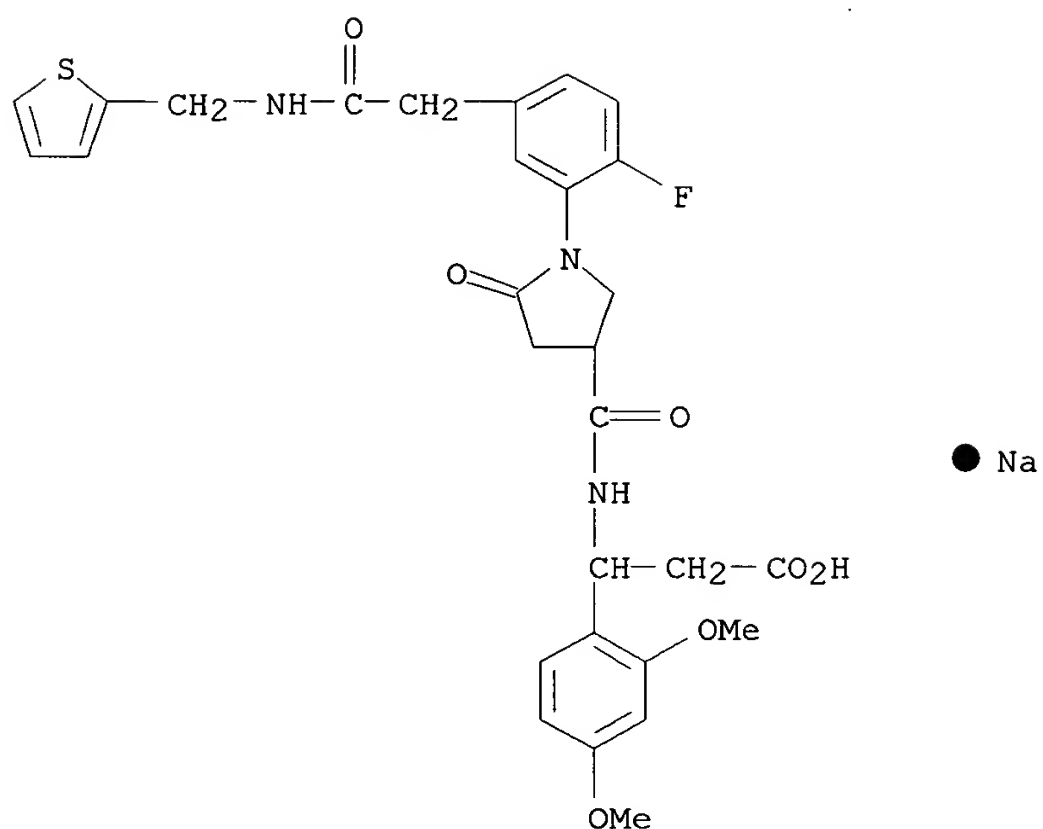
CN Benzenepropanoic acid, 4-ethoxy-.beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

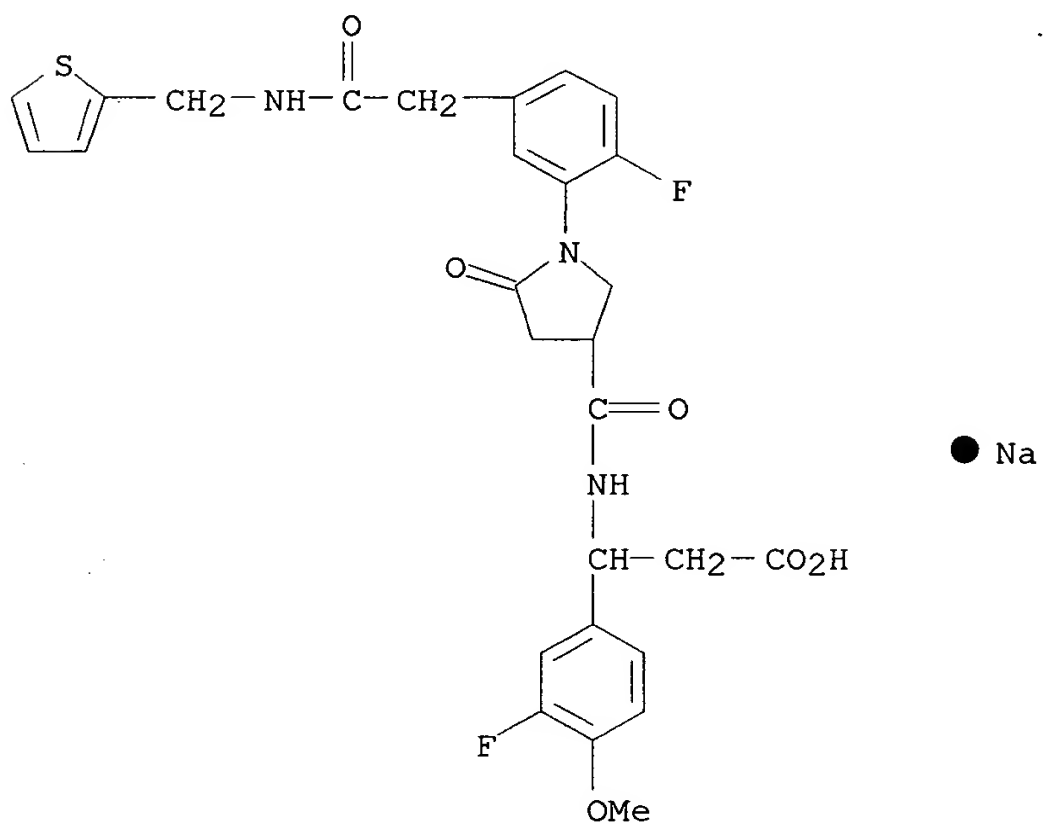
RN 345296-98-2 CAPLUS

CN Benzenepropanoic acid, .beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-2,4-dimethoxy-, monosodium salt (9CI) (CA INDEX NAME)



RN 345296-99-3 CAPLUS

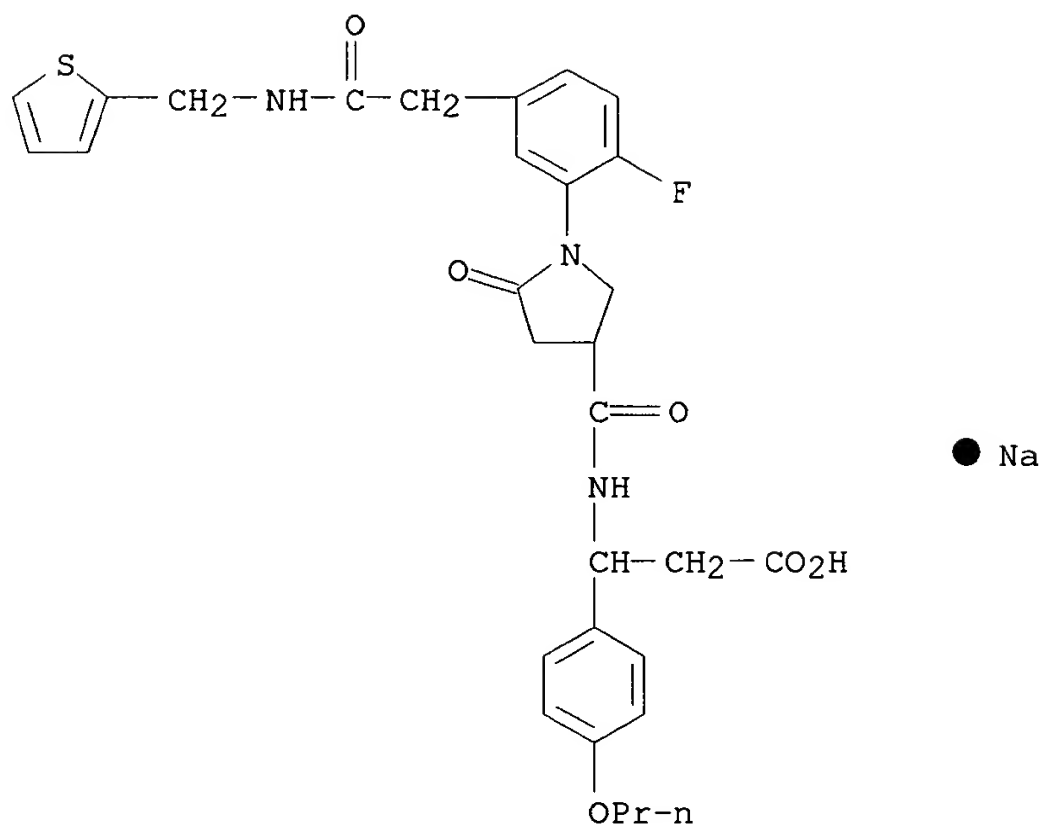
CN Benzenepropanoic acid, 3-fluoro-.beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-4-methoxy-, monosodium salt (9CI) (CA INDEX NAME)



RN 345297-00-9 CAPLUS

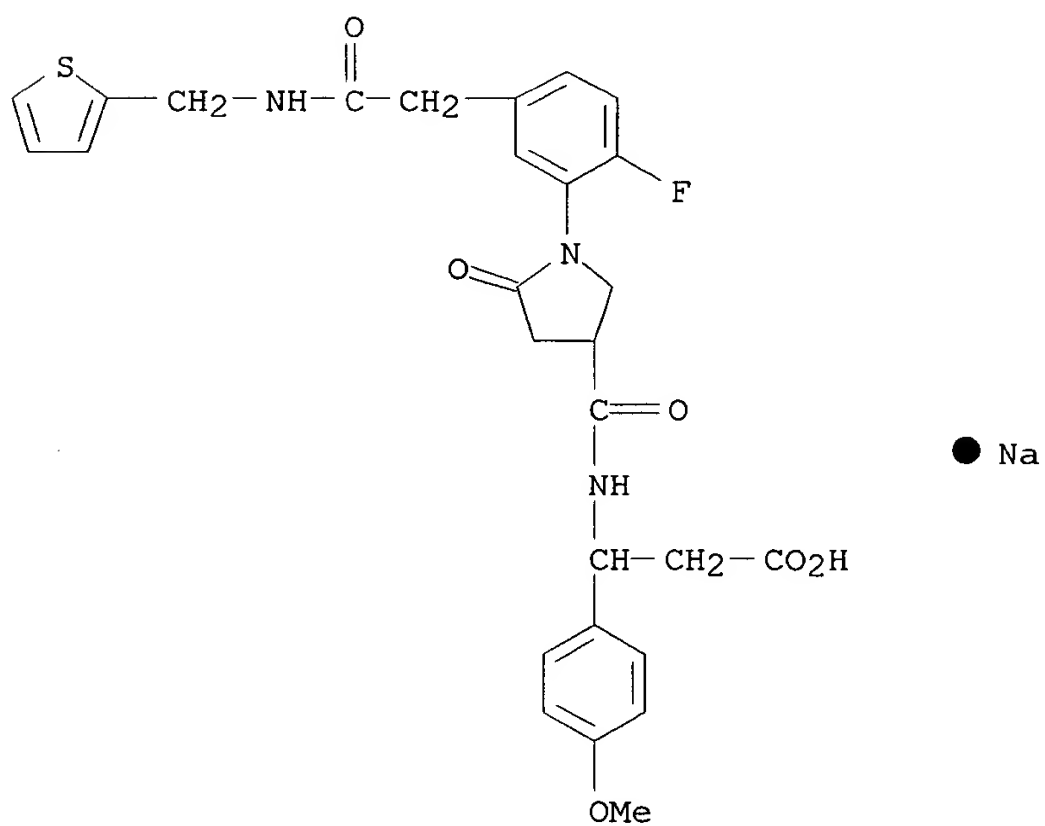
CN Benzenepropanoic acid, .beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-4-

propoxy-, monosodium salt (9CI) (CA INDEX NAME)



RN 345297-01-0 CAPLUS

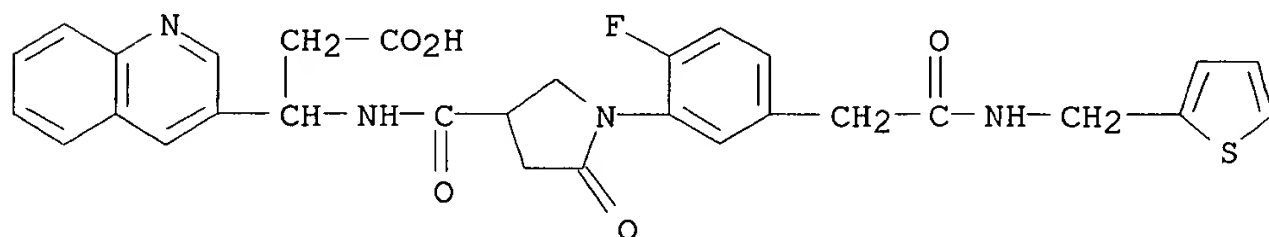
CN Benzenepropanoic acid, .beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-4-methoxy-, monosodium salt (9CI) (CA INDEX NAME)



RN 345297-02-1 CAPLUS

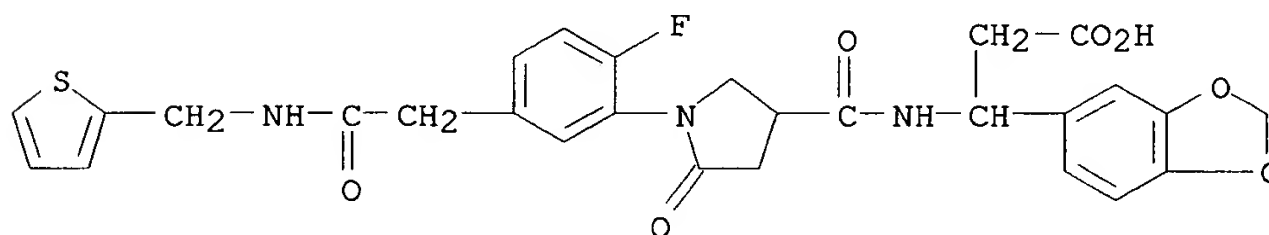


CN 3-Quinolinepropanoic acid, .beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-(9CI) (CA INDEX NAME)



RN 345297-03-2 CAPLUS

CN 1,3-Benzodioxole-5-propanoic acid, .beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

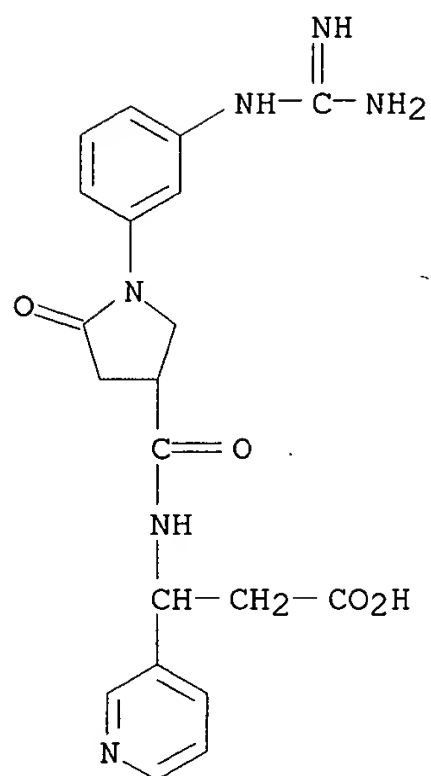
RN 345297-05-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(aminoiminomethyl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345297-04-3

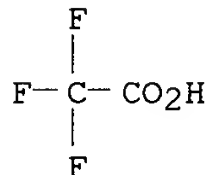
CMF C20 H22 N6 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



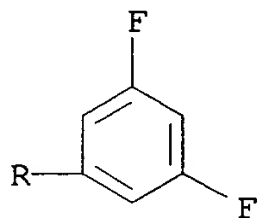
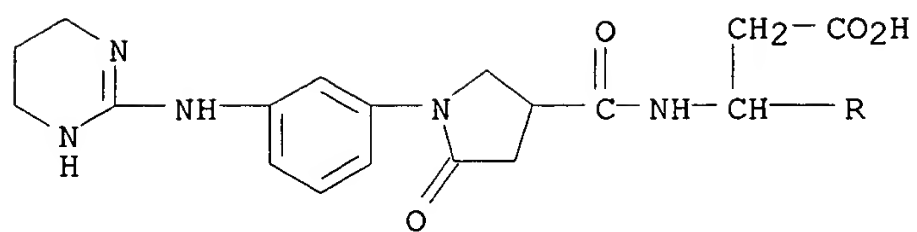
RN 345297-07-6 CAPLUS

CN Benzenepropanoic acid, 3,5-difluoro-.beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345297-06-5

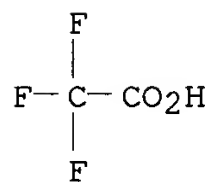
CMF C24 H25 F2 N5 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



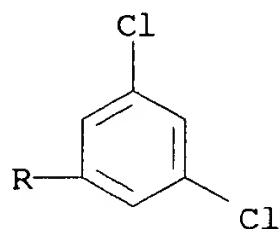
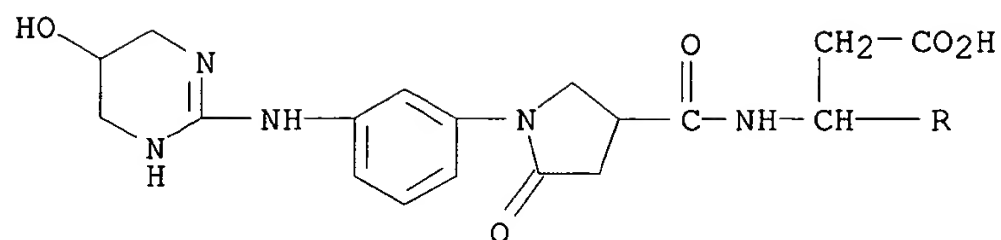
RN 345297-09-8 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 345297-08-7

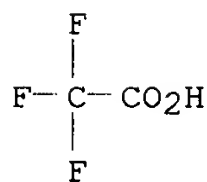
CMF C24 H25 Cl2 N5 O5



CM 2

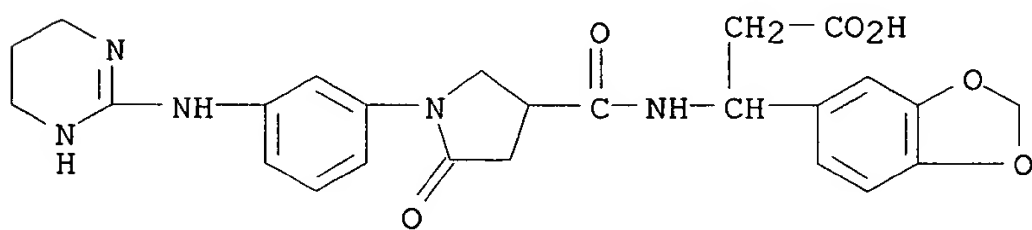
CRN 76-05-1

CMF C2 H F3 O2



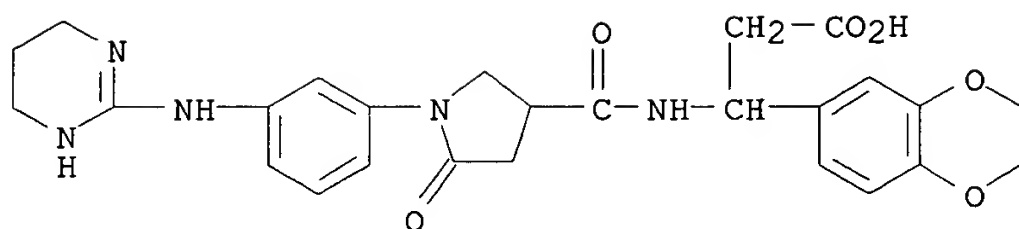
RN 345297-10-1 CAPLUS

CN 1,3-Benzodioxole-5-propanoic acid, .beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-  
(9CI) (CA INDEX NAME)



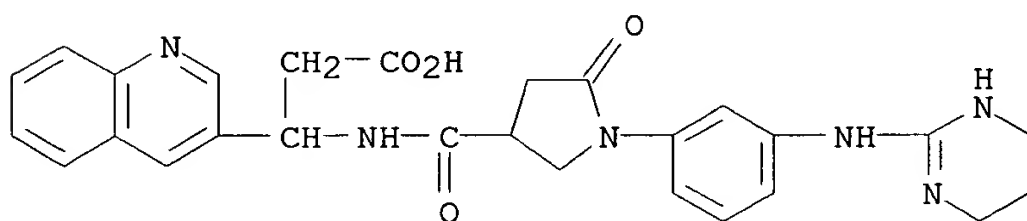
RN 345297-11-2 CAPLUS

CN 1,4-Benzodioxin-6-propanoic acid, 2,3-dihydro-.beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-  
(9CI) (CA INDEX NAME)



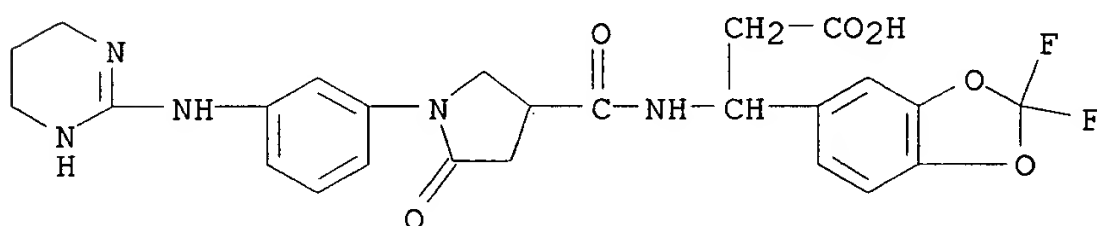
RN 345297-12-3 CAPLUS

CN 3-Quinolinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



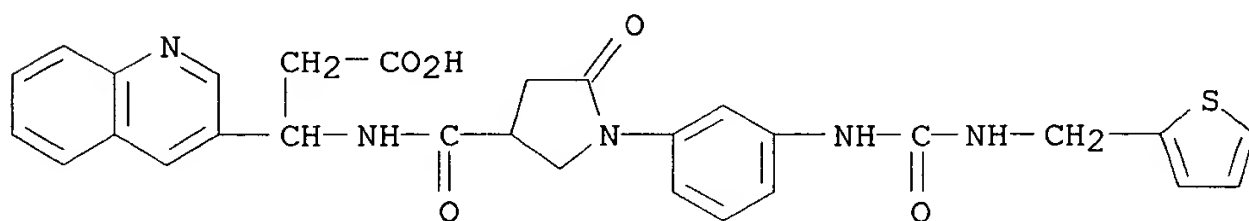
RN 345297-13-4 CAPLUS

CN 1,3-Benzodioxole-5-propanoic acid, 2,2-difluoro-.beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345297-14-5 CAPLUS

CN 3-Quinolinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

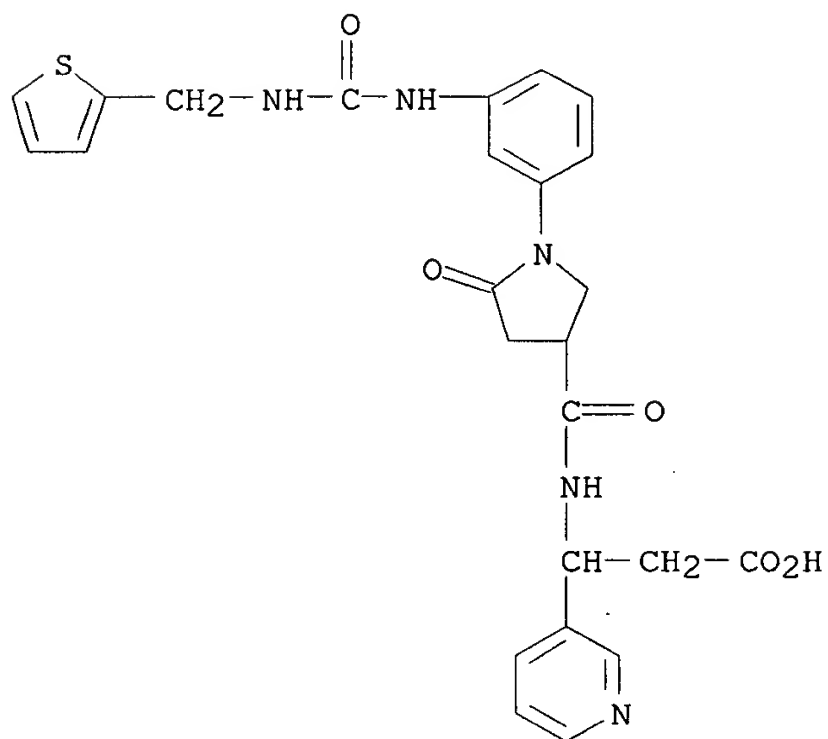


● Na

RN 345297-15-6 CAPLUS

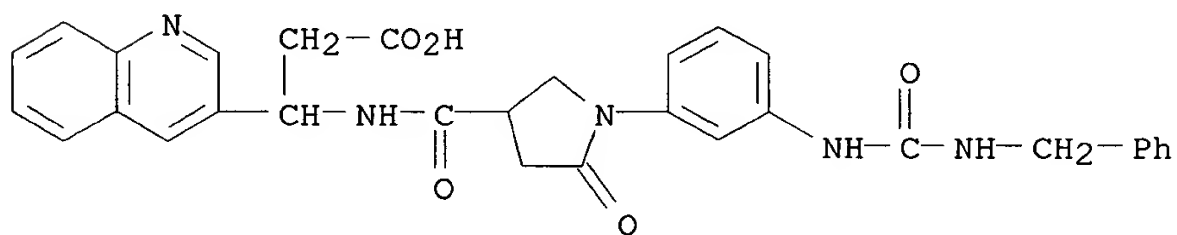
CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-

(9CI) (CA INDEX NAME)



RN 345297-16-7 CAPLUS

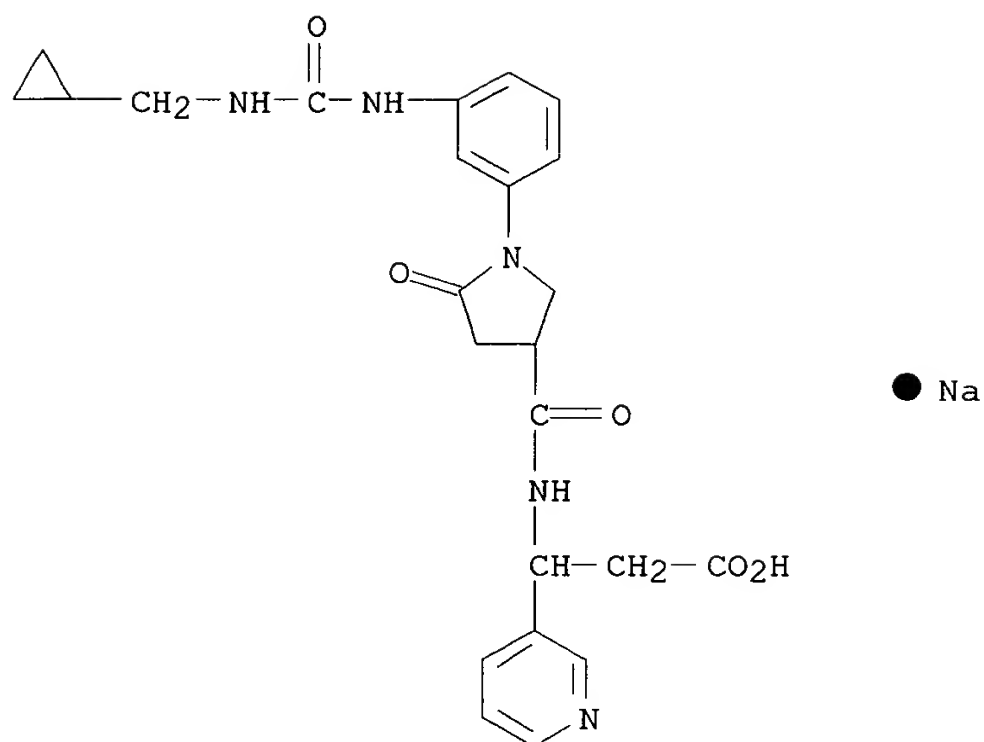
CN 3-Quinolinepropanoic acid, .beta.-[[[5-oxo-1-[3-  
 [[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-  
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

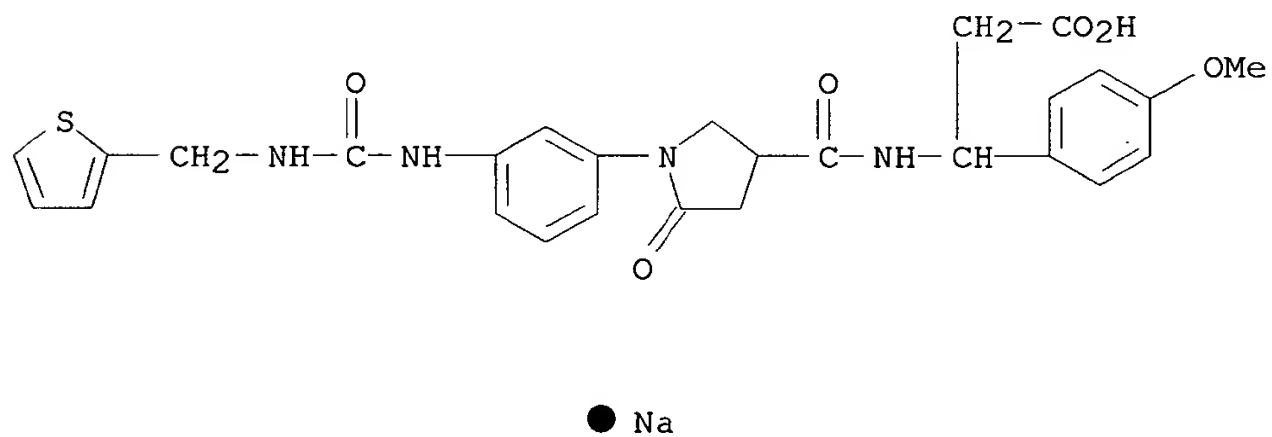
RN 345297-17-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(cyclopropylmethyl)amino]carbo  
 nyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt  
 (9CI) (CA INDEX NAME)



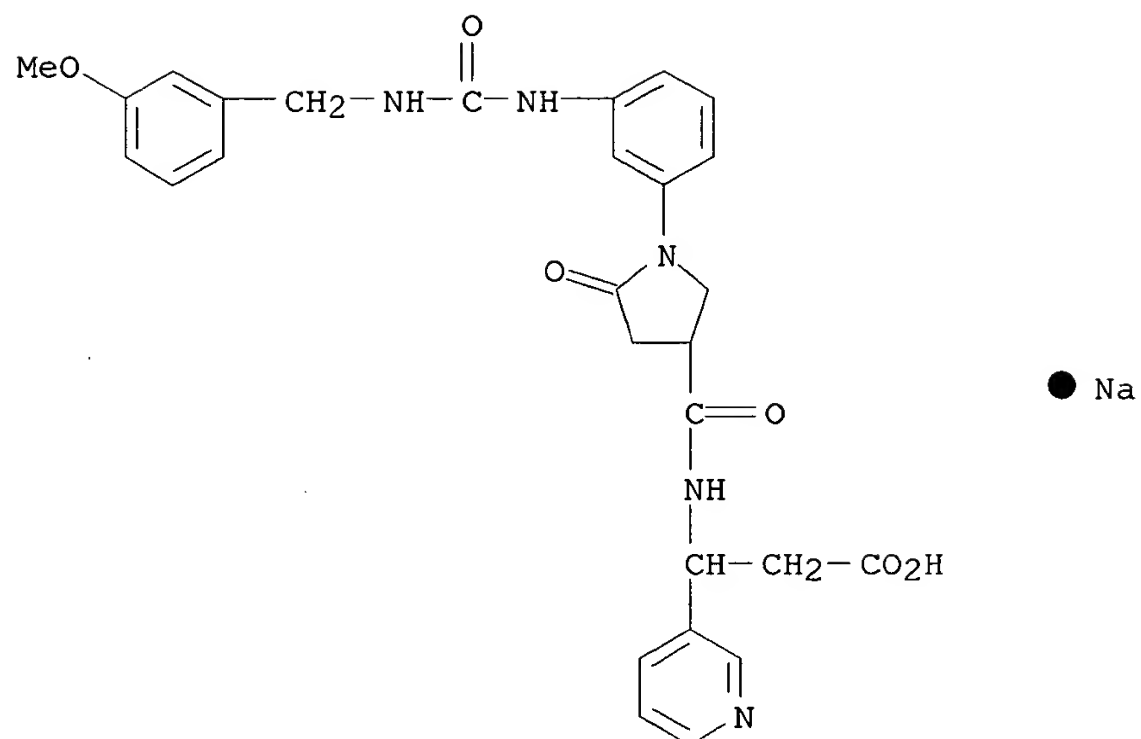
RN 345297-18-9 CAPLUS

CN Benzenepropanoic acid, 4-methoxy-.beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



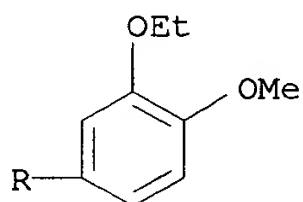
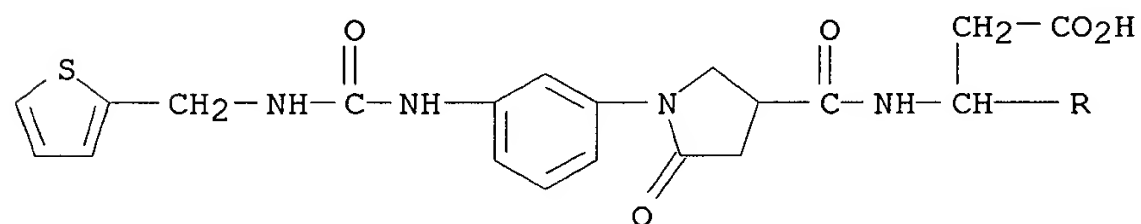
RN 345297-19-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(3-methoxyphenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



RN 345297-20-3 CAPLUS

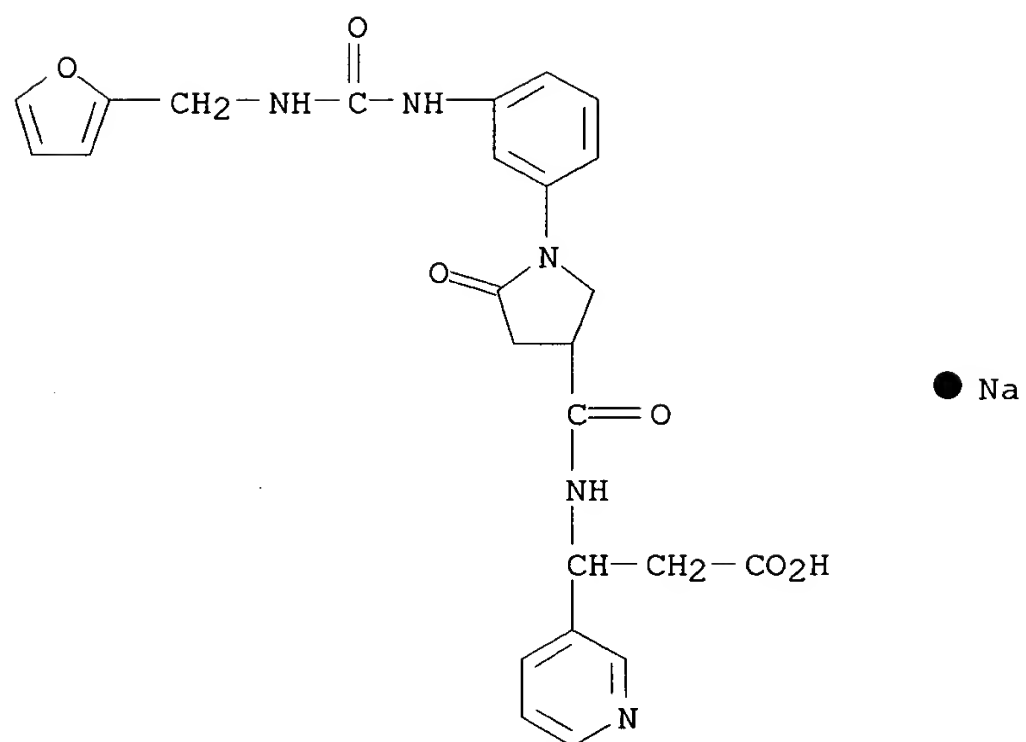
CN Benzenepropanoic acid, 3-ethoxy-4-methoxy-.beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-(9CI) (CA INDEX NAME)



RN 345297-21-4 CAPLUS

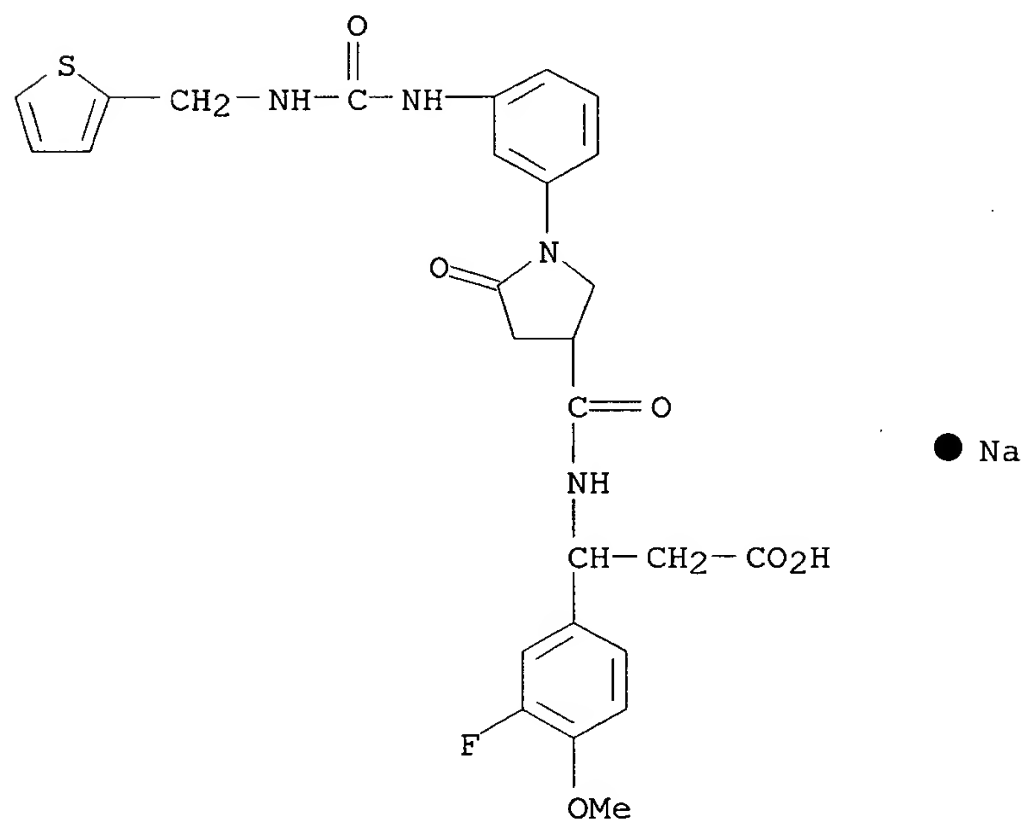
CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(2-furanylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)





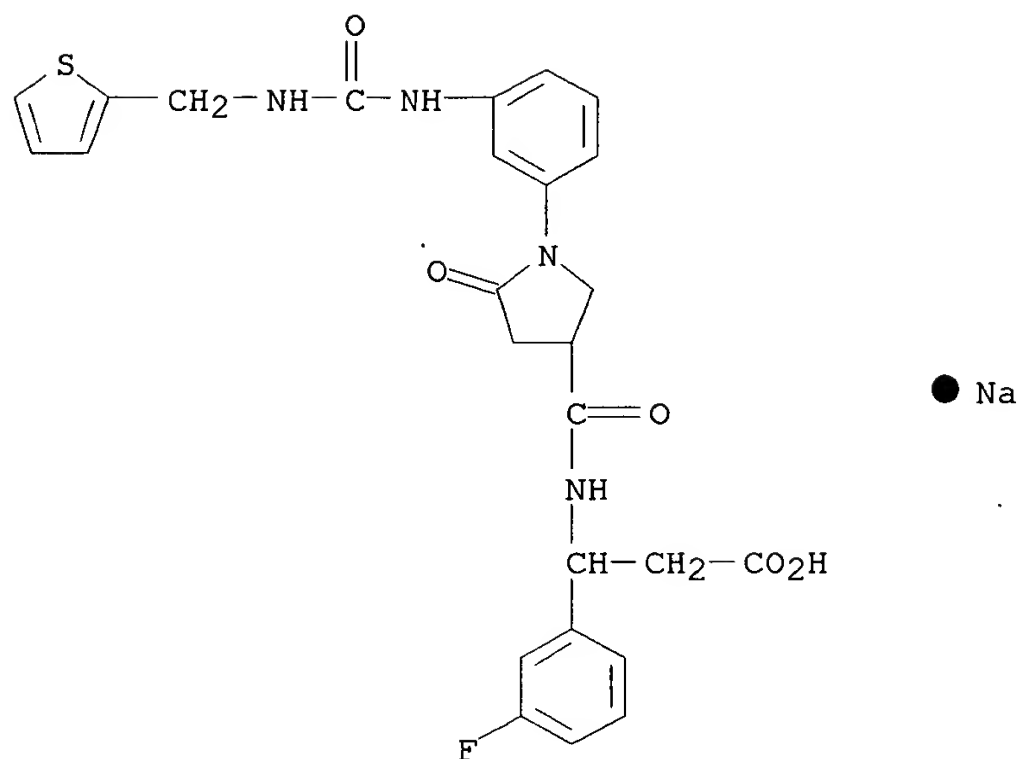
RN 345297-22-5 CAPLUS

CN Benzenepropanoic acid, 3-fluoro-4-methoxy-.beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



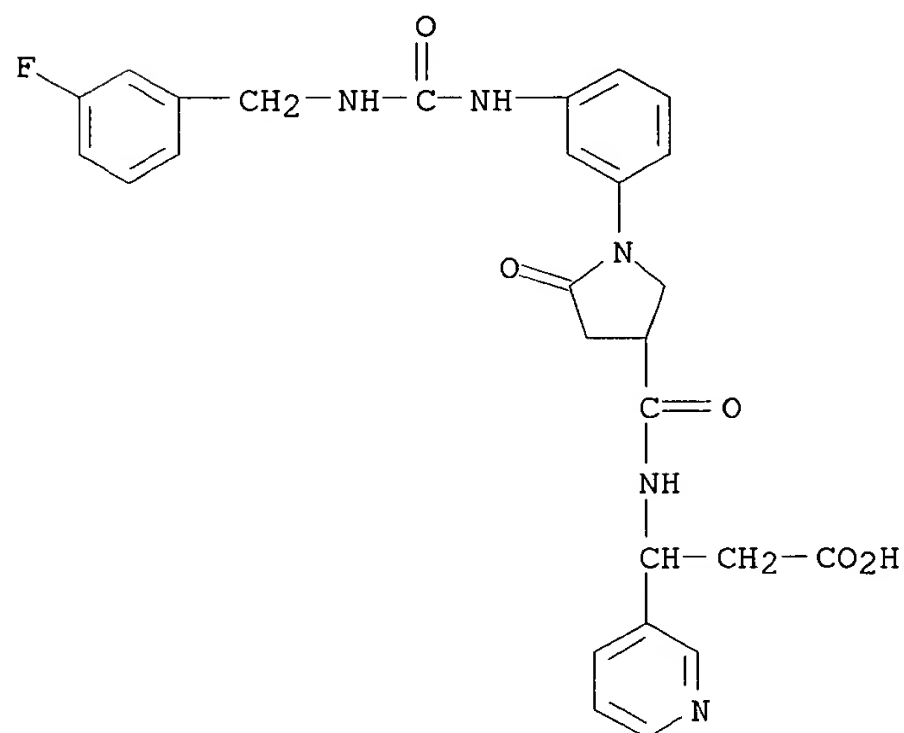
RN 345297-23-6 CAPLUS

CN Benzenepropanoic acid, 3-fluoro-.beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



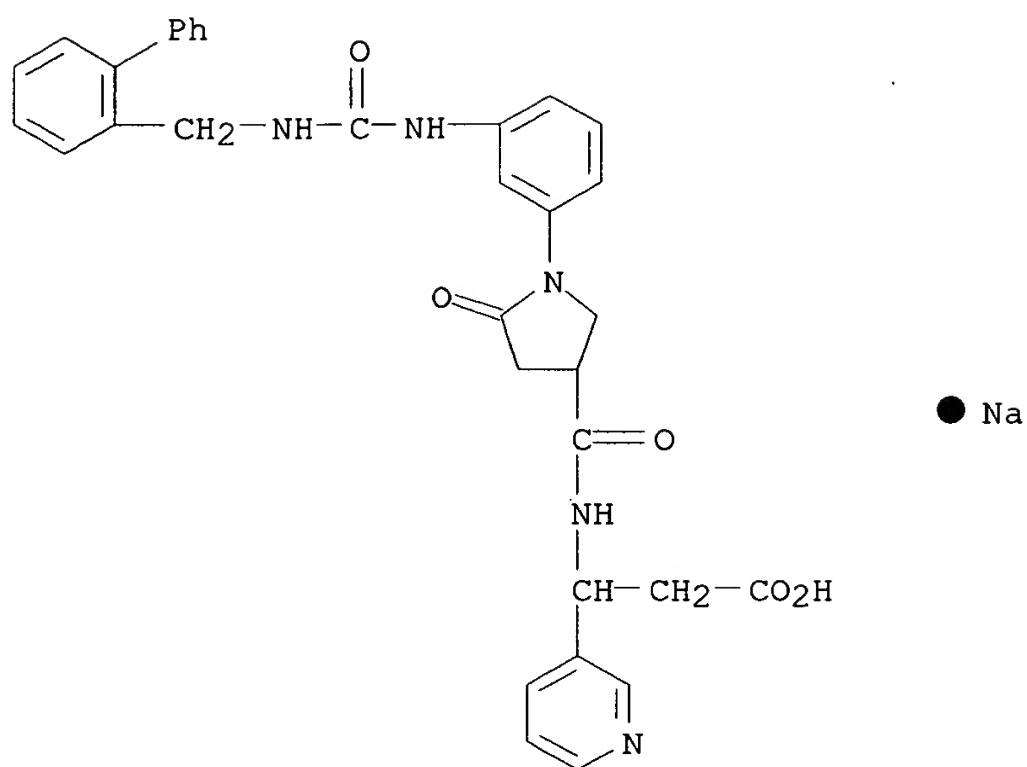
RN 345297-24-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(3-fluorophenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidiny]carbonyl]amino]- (9CI) (CA INDEX NAME)



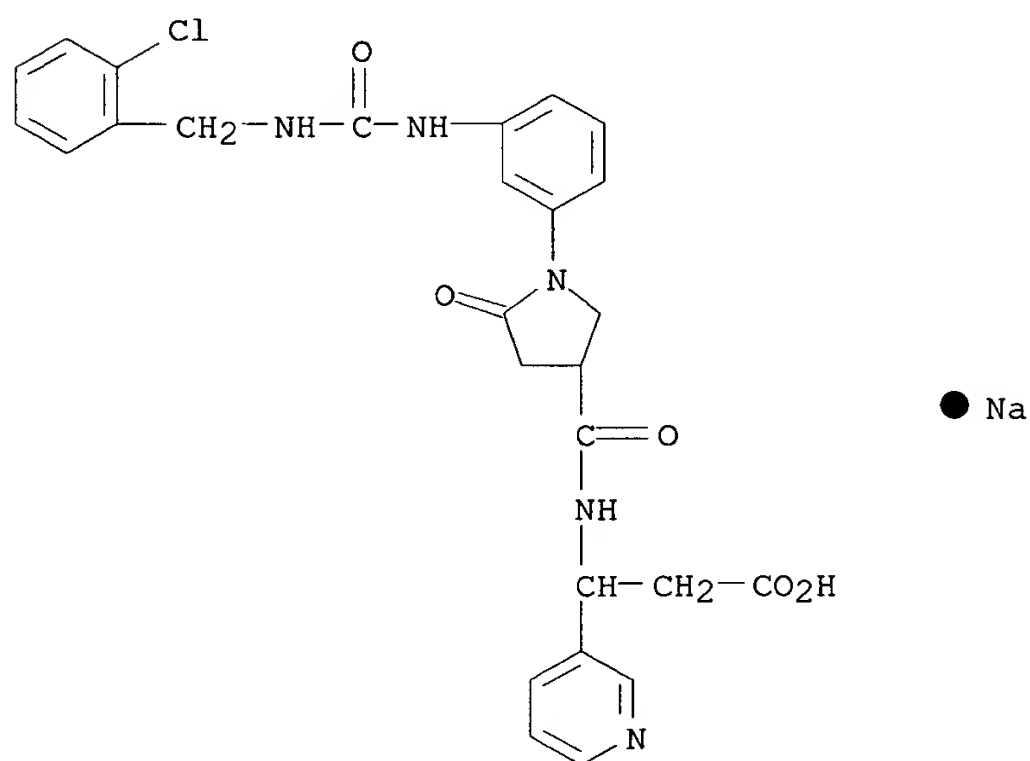
RN 345297-25-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[([1,1'-biphenyl]-2-ylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidiny]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



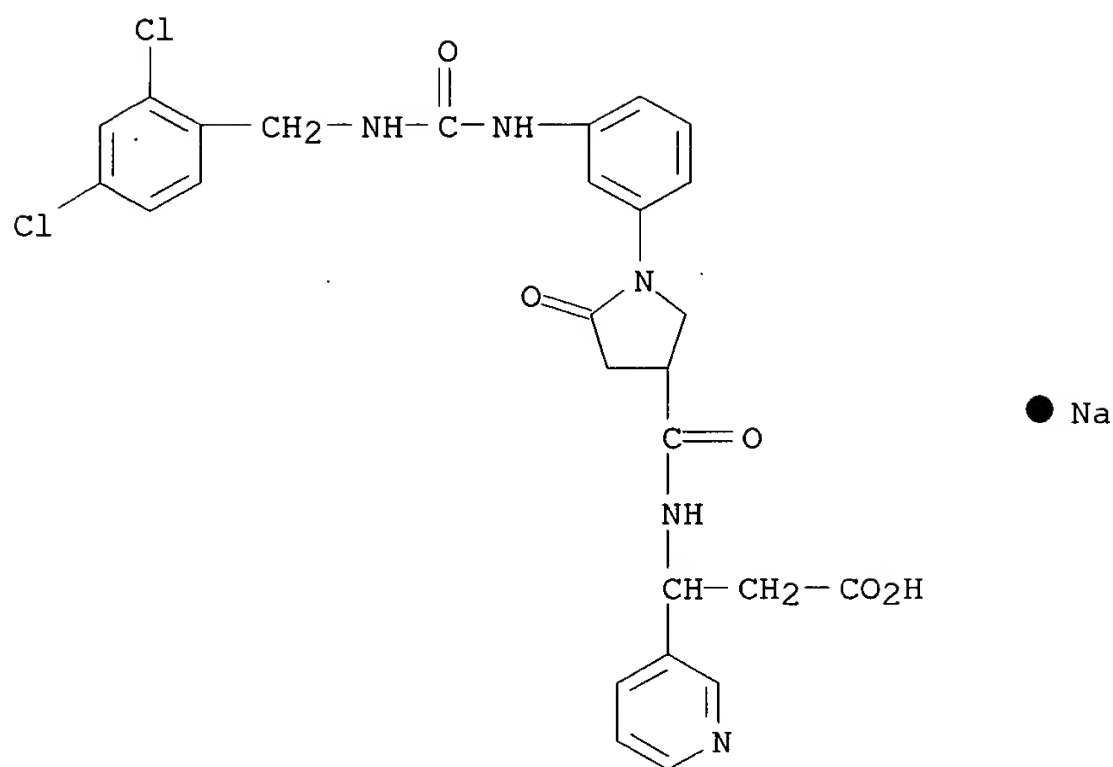
RN 345297-26-9 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(2-chlorophenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



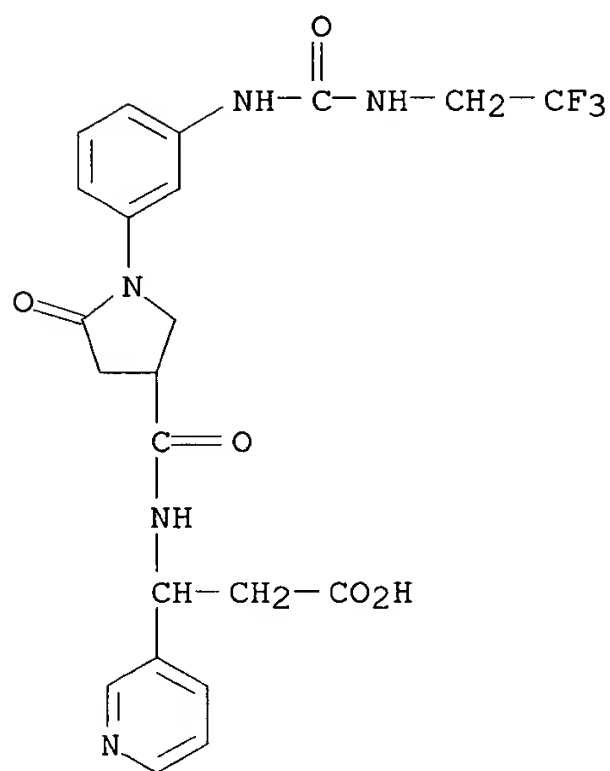
RN 345297-27-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(2,4-dichlorophenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



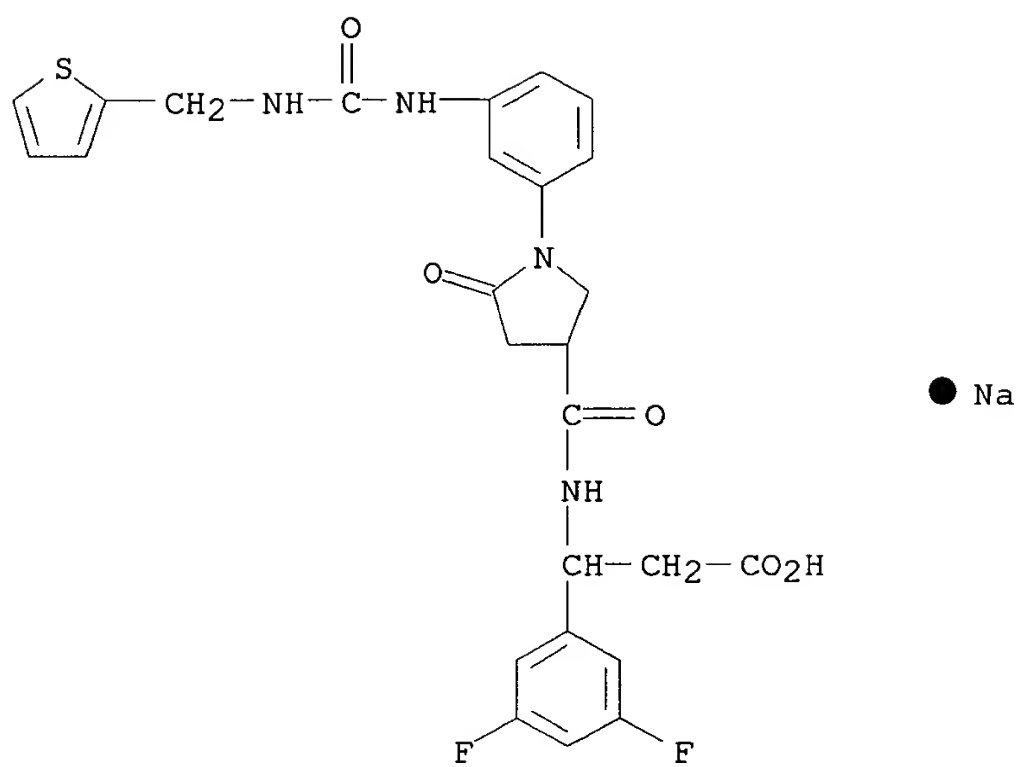
RN 345297-28-1 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(2,2,2-trifluoroethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidiny]carbonyl]amino]- (9CI) (CA INDEX NAME)

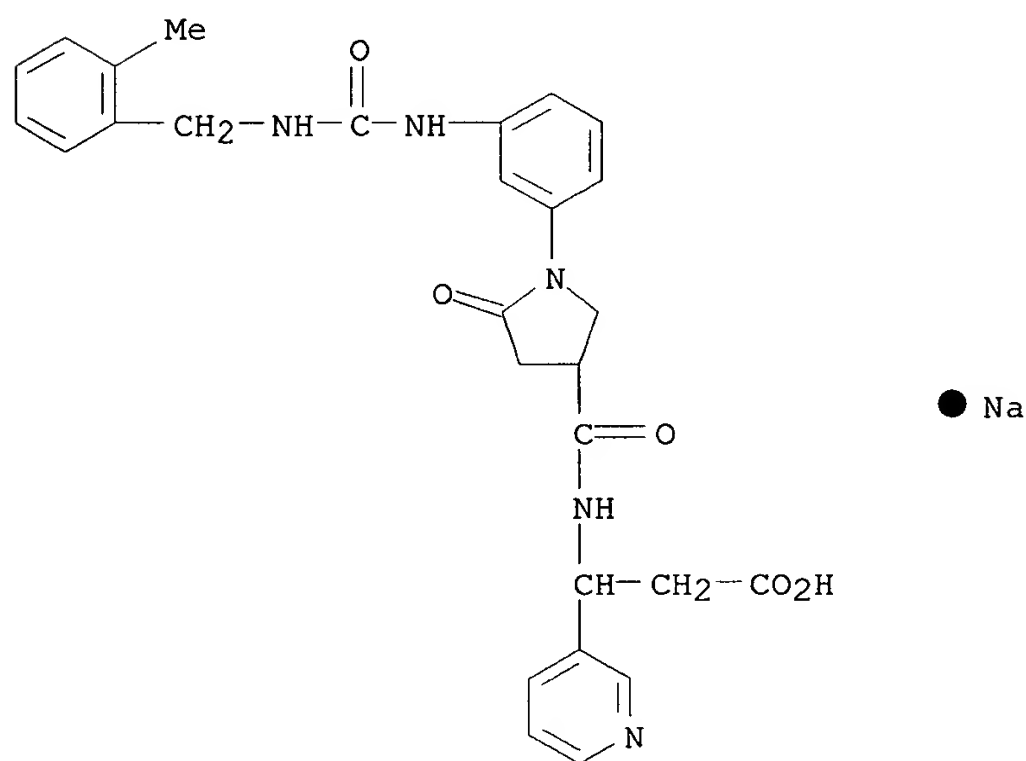


RN 345297-29-2 CAPLUS

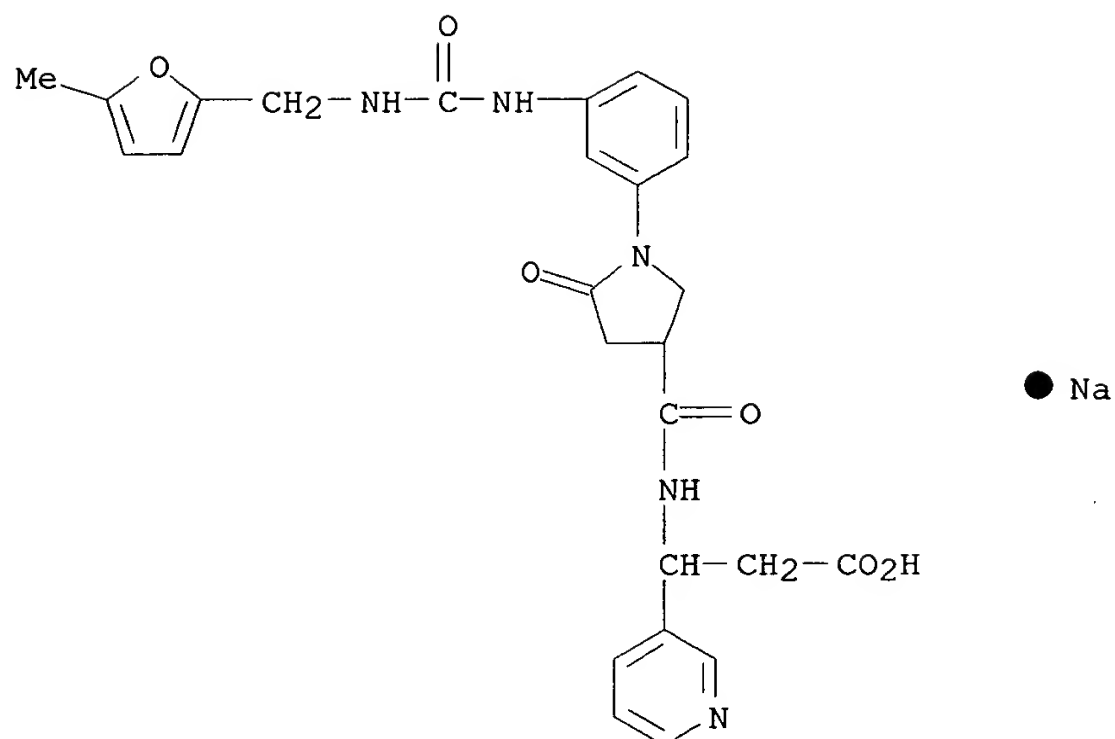
CN Benzenepropanoic acid, 3,5-difluoro-.beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidiny]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



RN	345297-30-5	CAPLUS
CN	3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(2-methylphenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)	

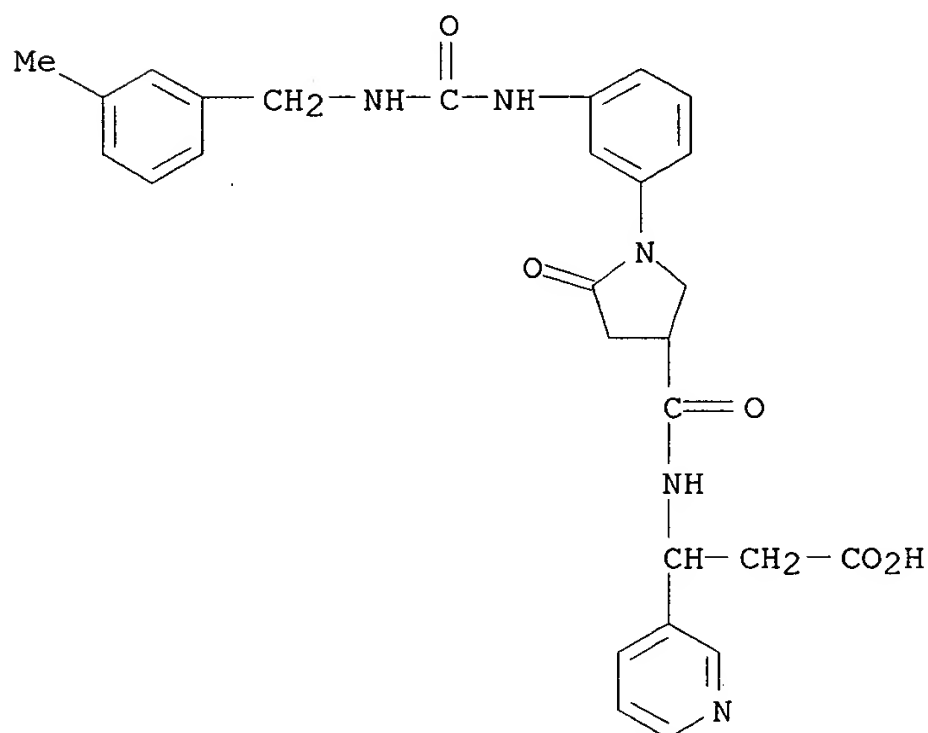


RN	345297-31-6	CAPLUS
CN	3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(5-methyl-2-furanyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)	



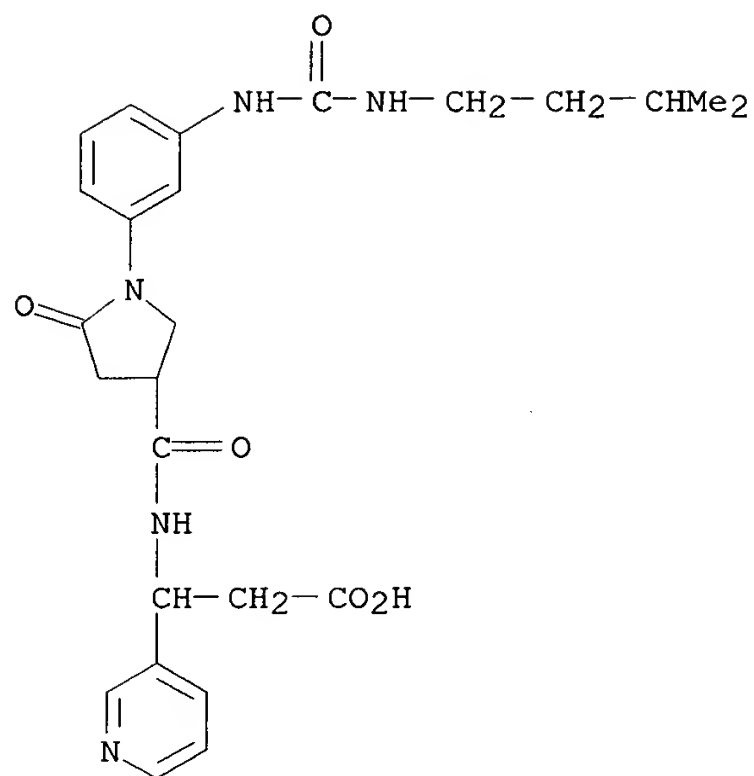
RN 345297-32-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(3-methylphenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



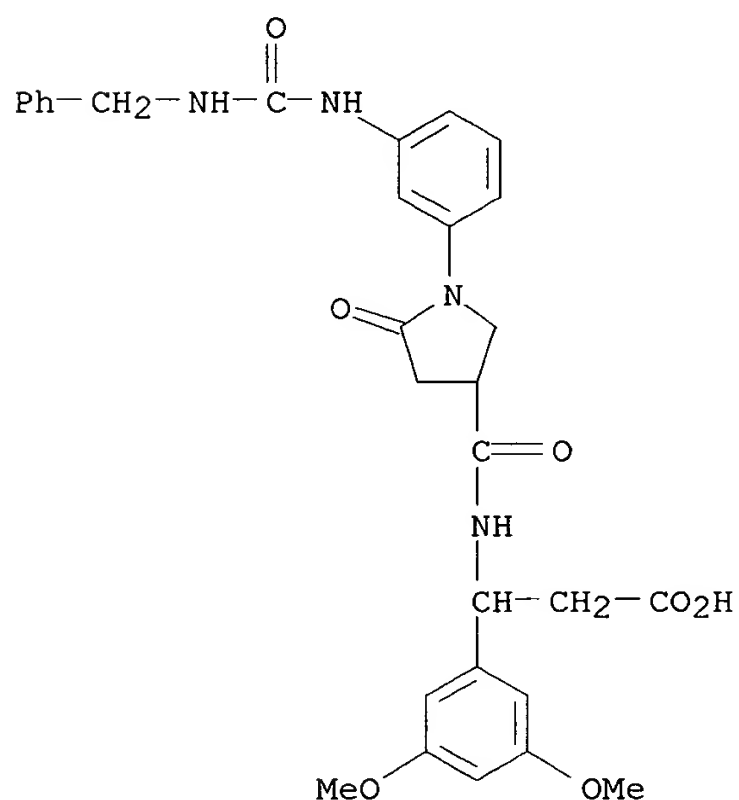
RN 345297-33-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(3-methylbutyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



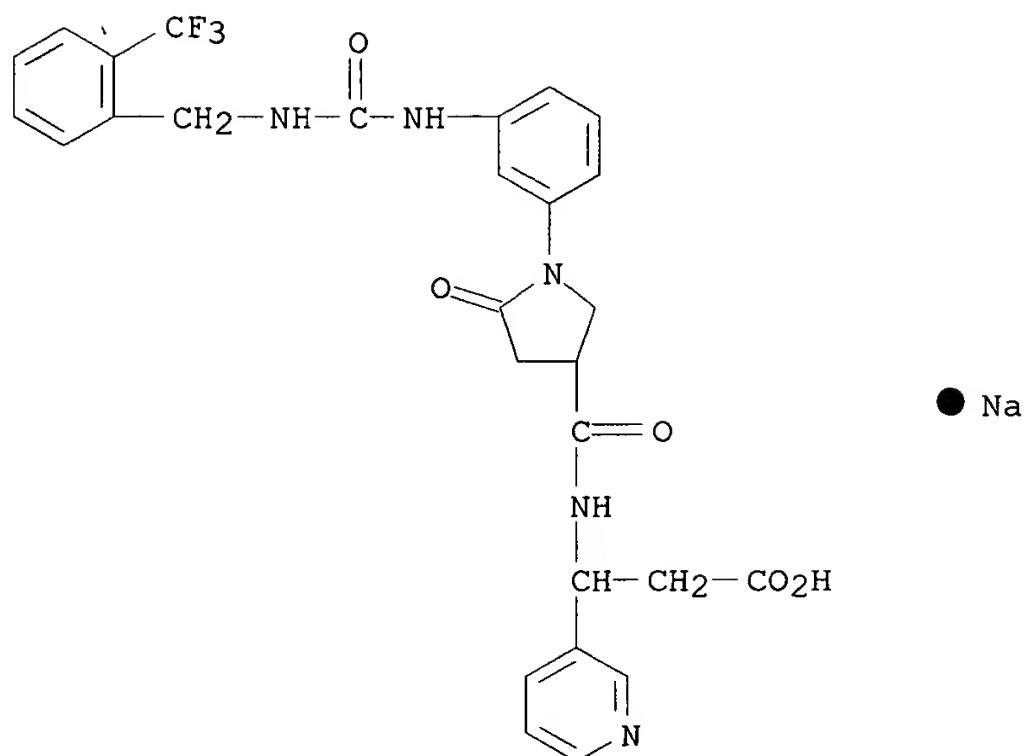
● Na

RN 345297-34-9 CAPLUS  
 CN Benzenepropanoic acid, 3,5-dimethoxy-.beta.-[[[5-oxo-1-[3-  
 [[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-  
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



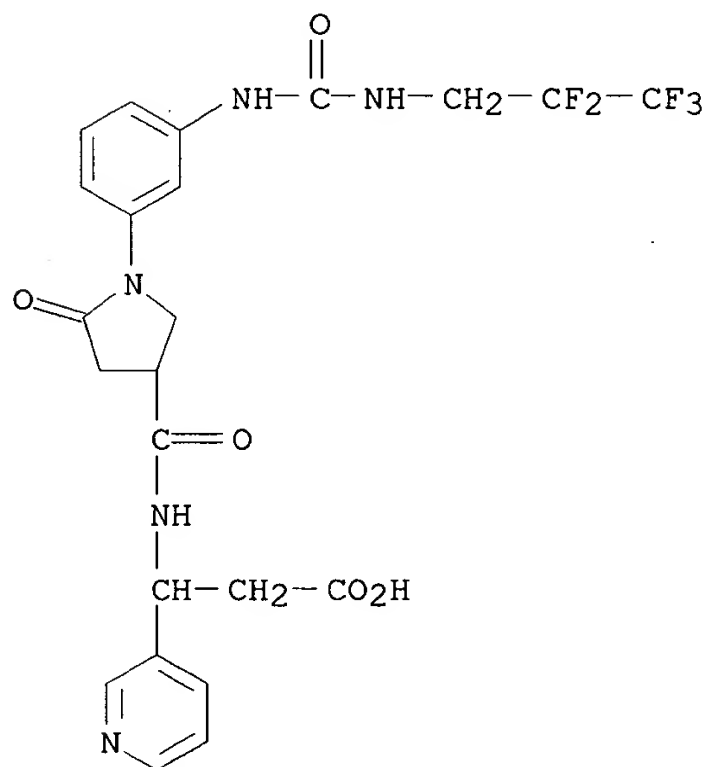
● Na

RN 345297-35-0 CAPLUS  
 CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[[[2-  
 (trifluoromethyl)phenyl]methyl]amino]carbonyl]amino]phenyl]-3-  
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



RN 345297-36-1 CAPLUS

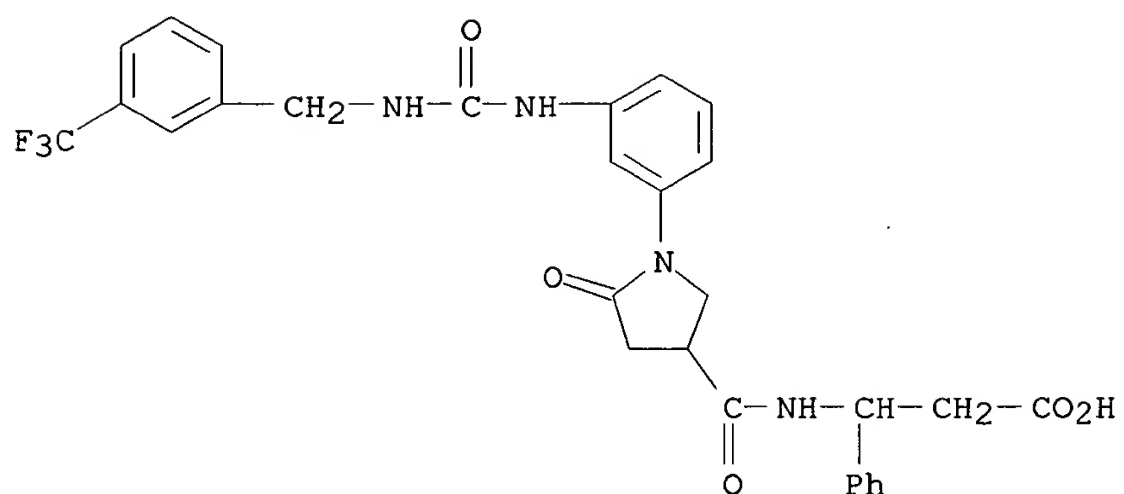
CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(2,2,3,3,3-pentafluoropropyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345297-37-2 CAPLUS

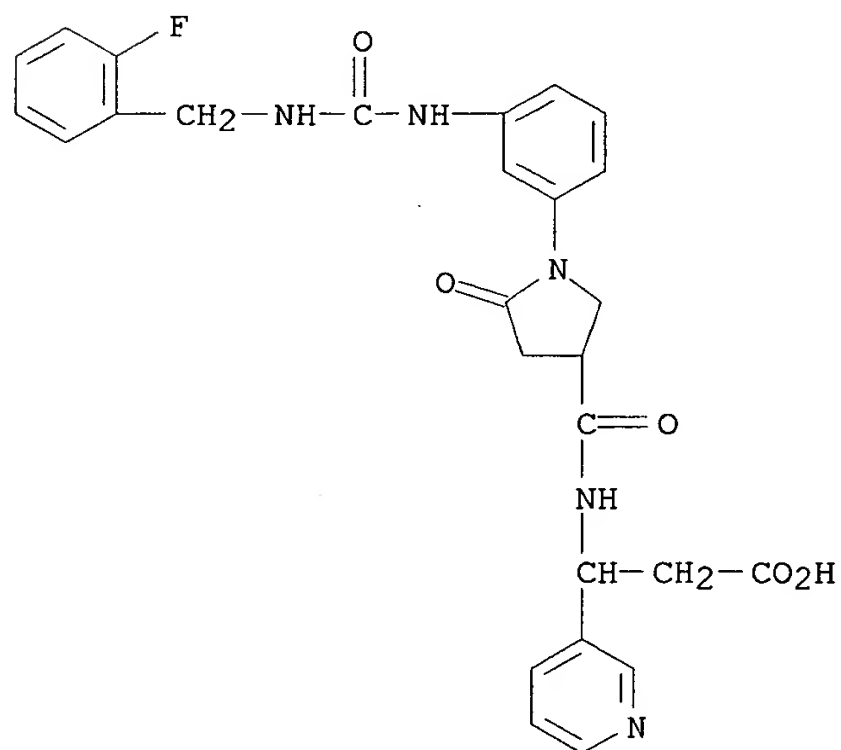
CN Benzenepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[[3-(trifluoromethyl)phenyl]methyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)





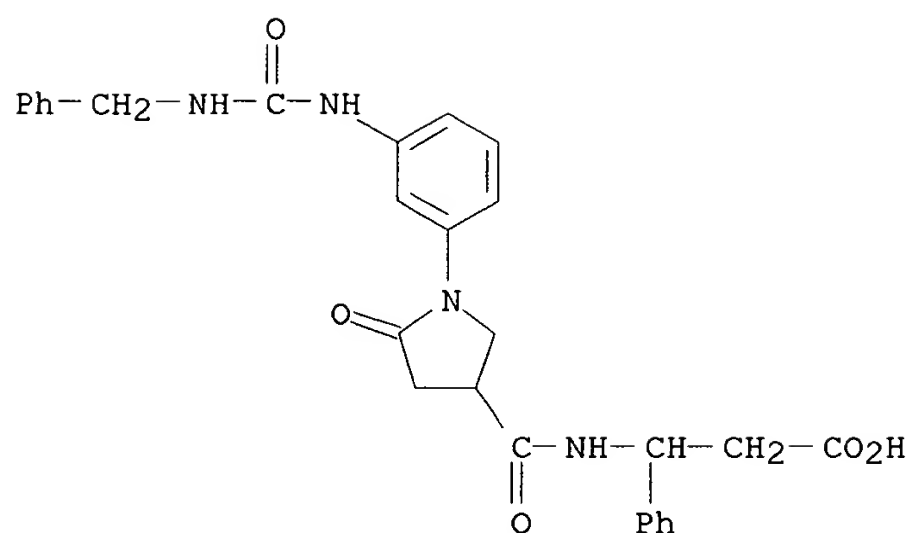
● Na

RN 345297-38-3 CAPLUS  
 CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(2-fluorophenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

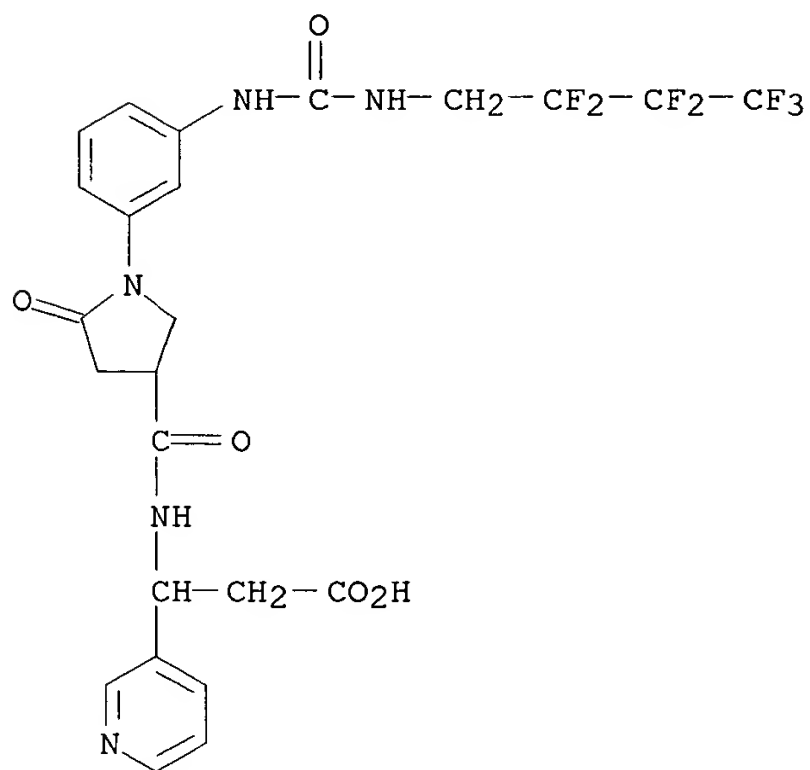
RN 345297-39-4 CAPLUS  
 CN Benzenepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

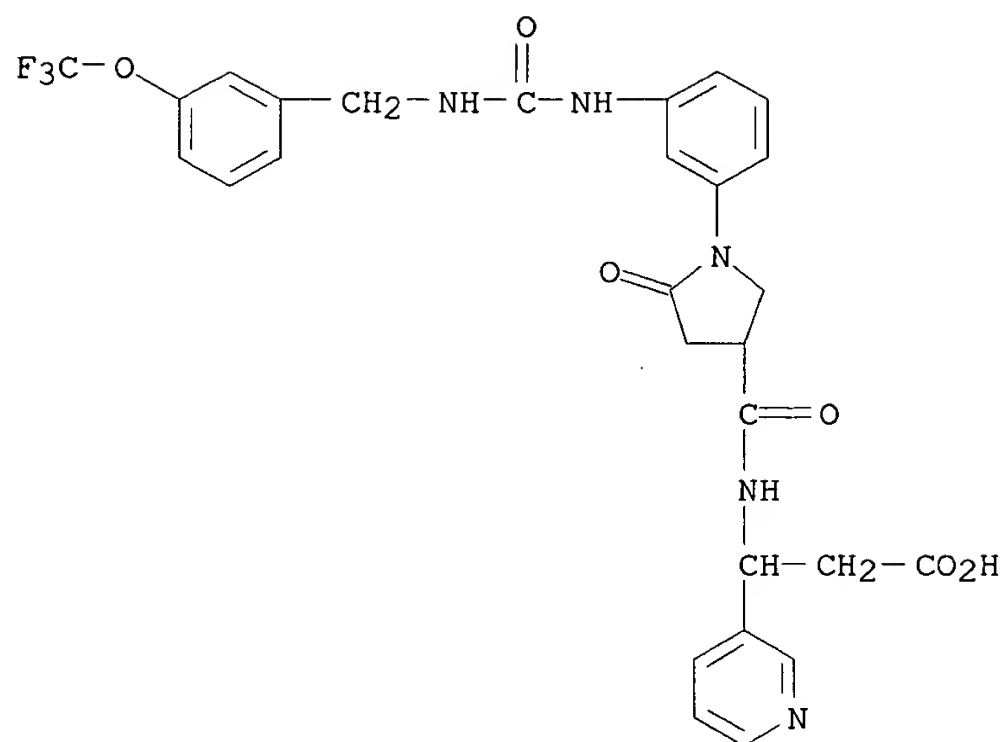
RN 345297-40-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(2,2,3,3,4,4,4-heptafluorobutyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



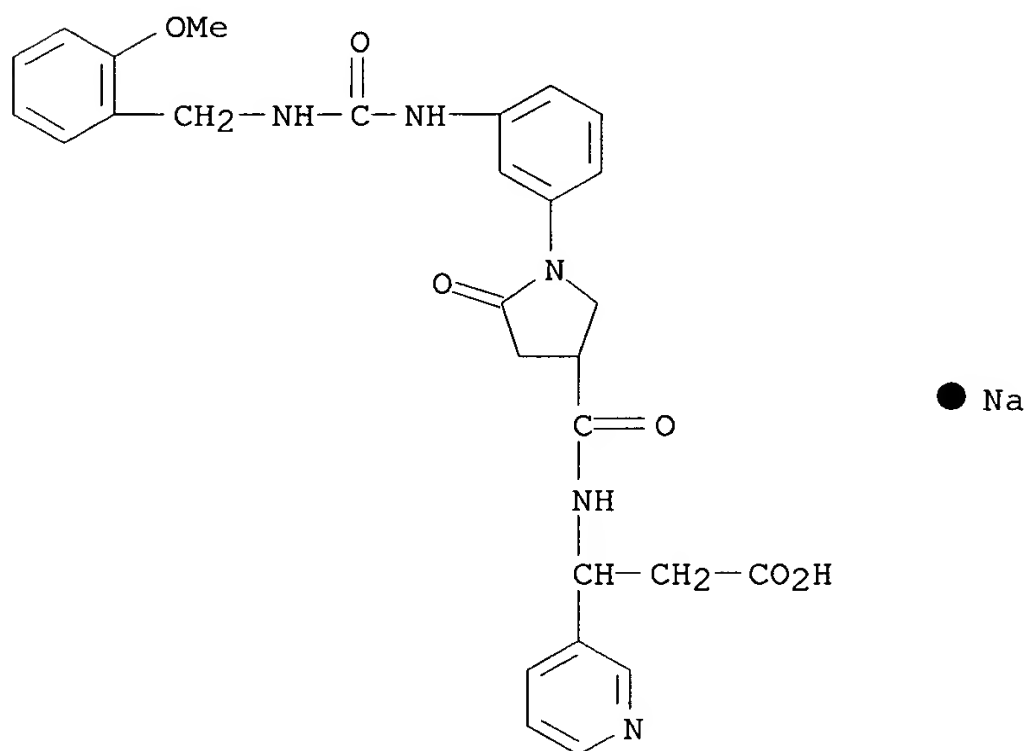
RN 345297-41-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[[3-(trifluoromethoxy)phenyl]methyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



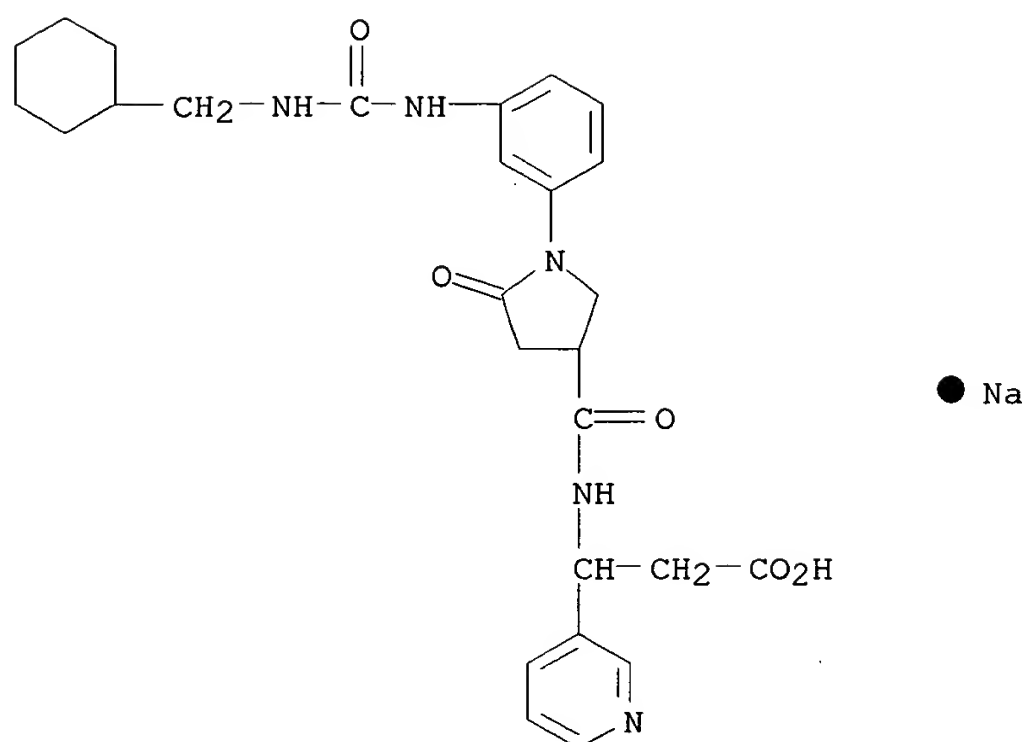
RN 345297-42-9 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(2-methoxyphenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



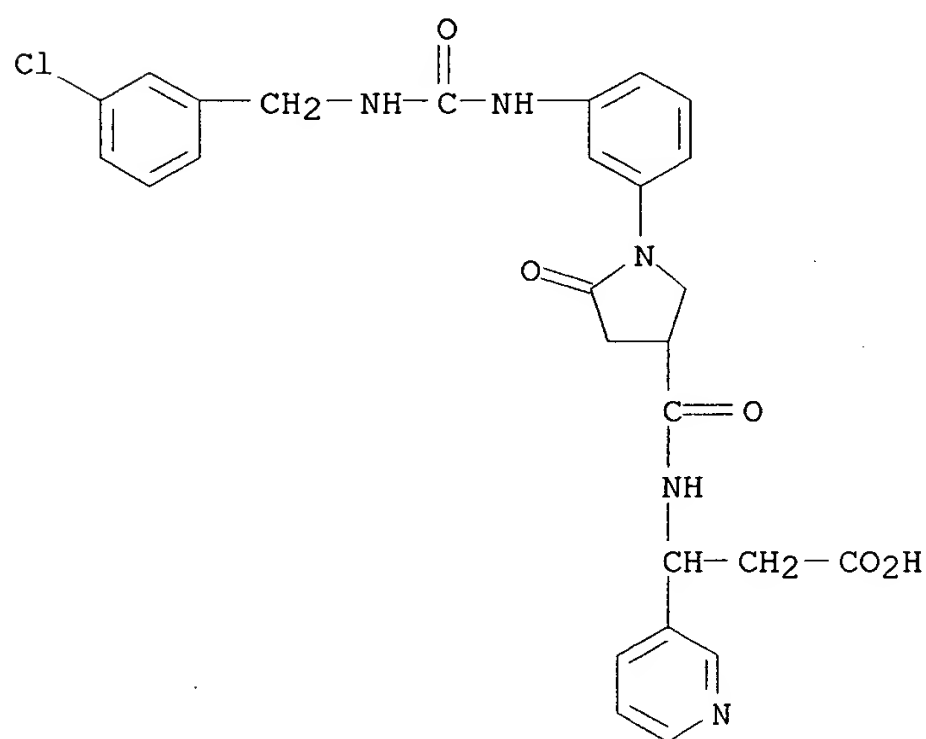
RN 345297-43-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(cyclohexylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



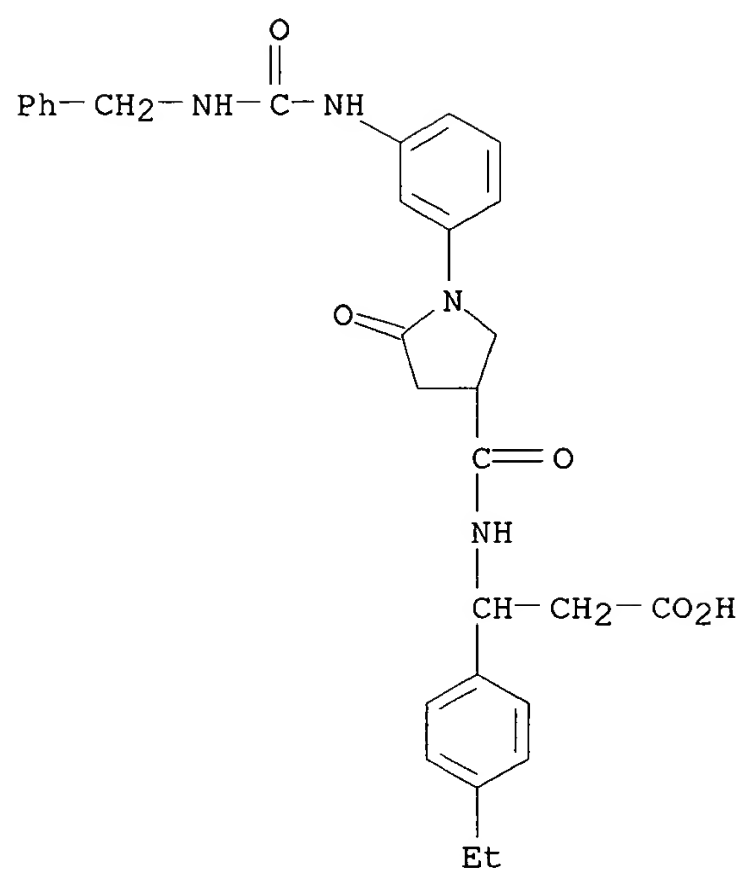
RN 345297-44-1 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(3-chlorophenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



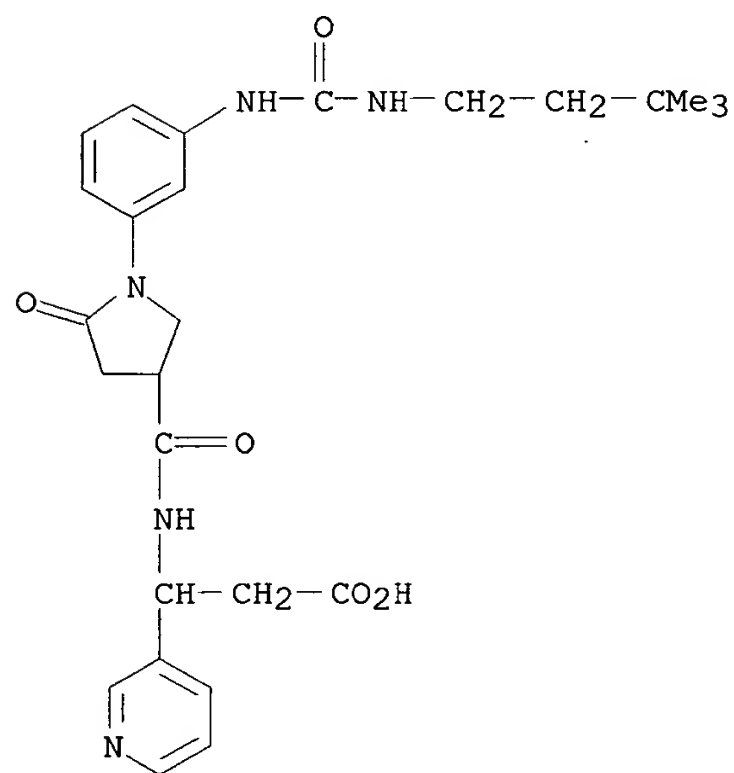
RN 345297-45-2 CAPLUS

CN Benzenepropanoic acid, 4-ethyl-.beta.-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



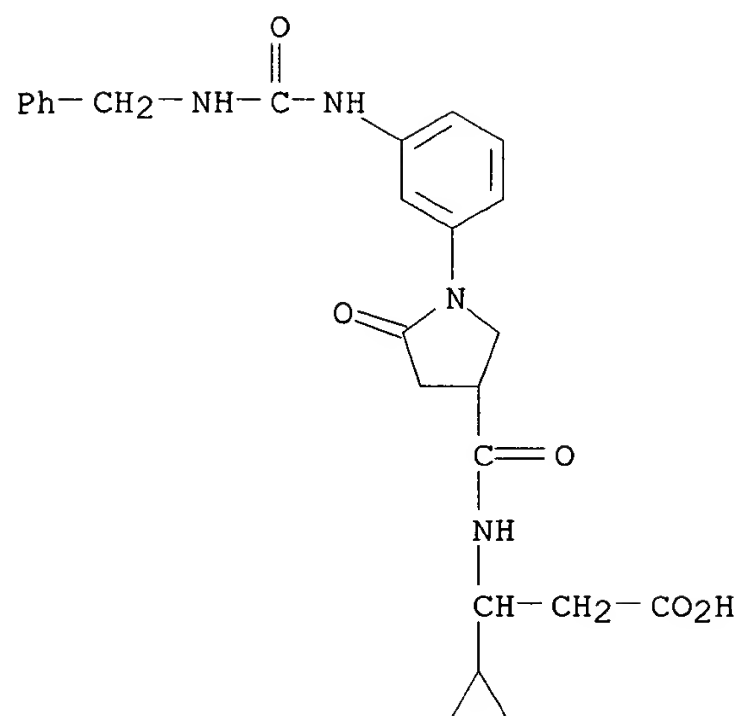
● Na

RN 345297-46-3 CAPLUS  
 CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(3,3-dimethylbutyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



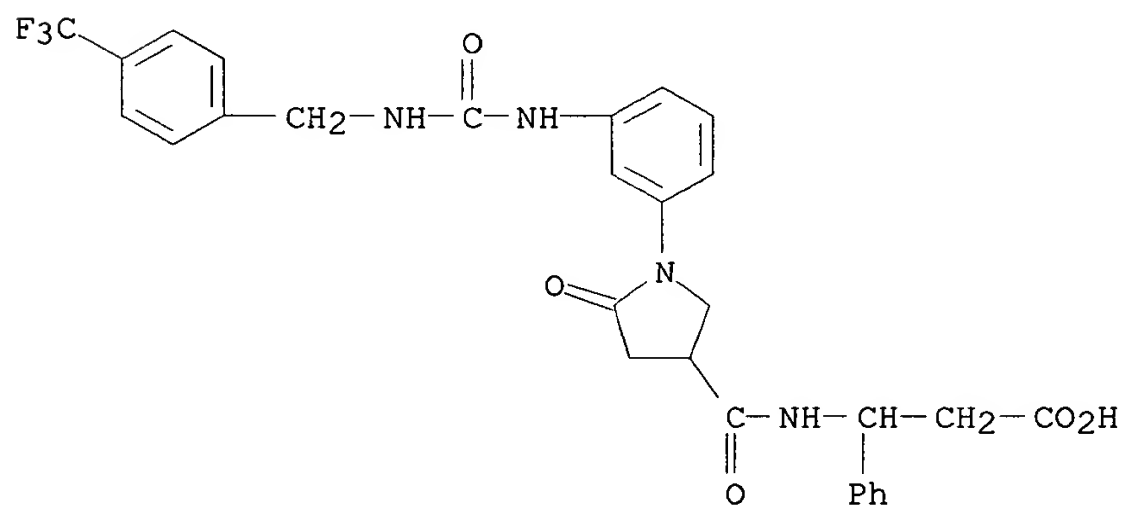
● Na

RN 345297-47-4 CAPLUS  
 CN Cyclopropanepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345297-48-5 CAPLUS

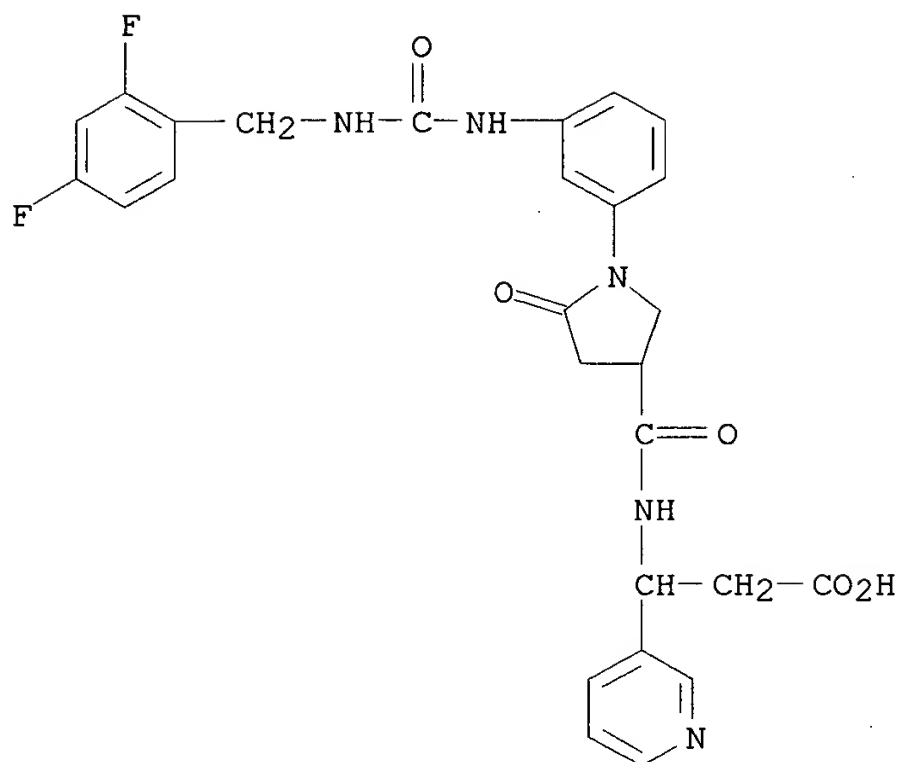
CN Benzenepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[4-(trifluoromethyl)phenyl]methyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

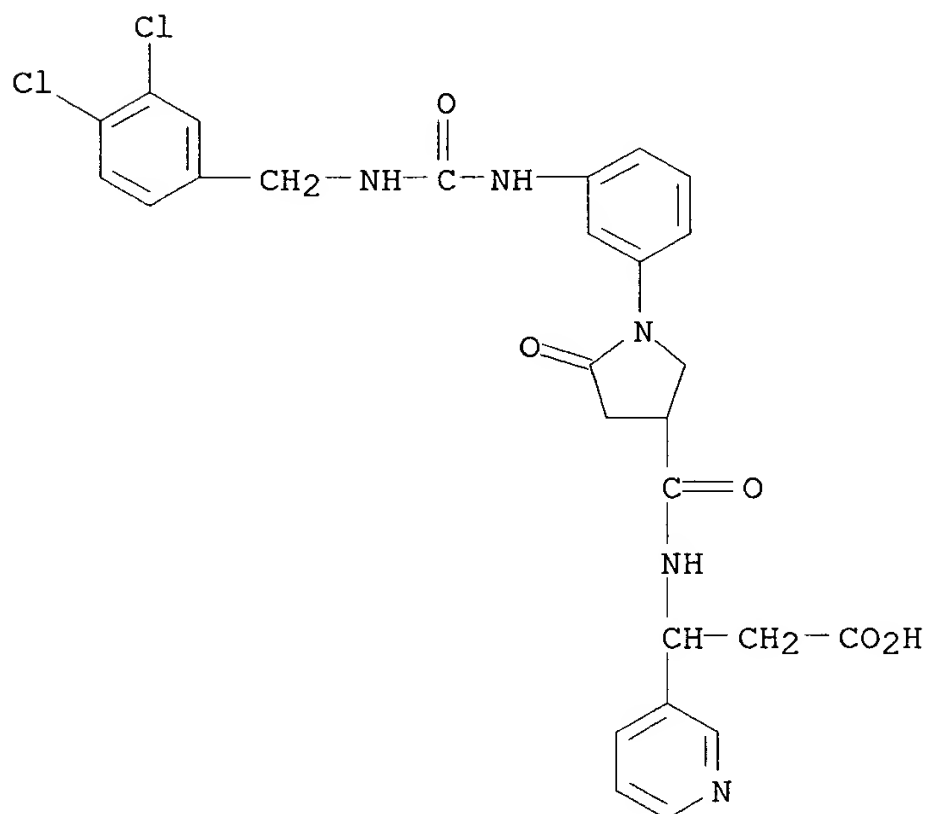
RN 345297-49-6 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[4-(trifluoromethyl)phenyl]methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



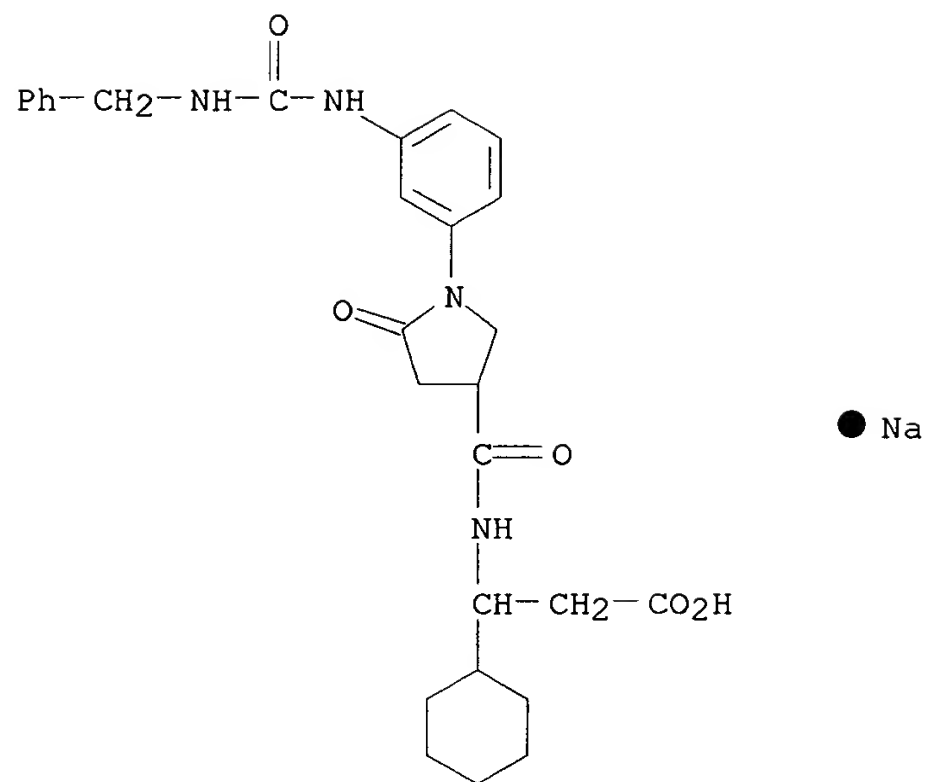
RN 345297-50-9 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(3,4-dichlorophenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



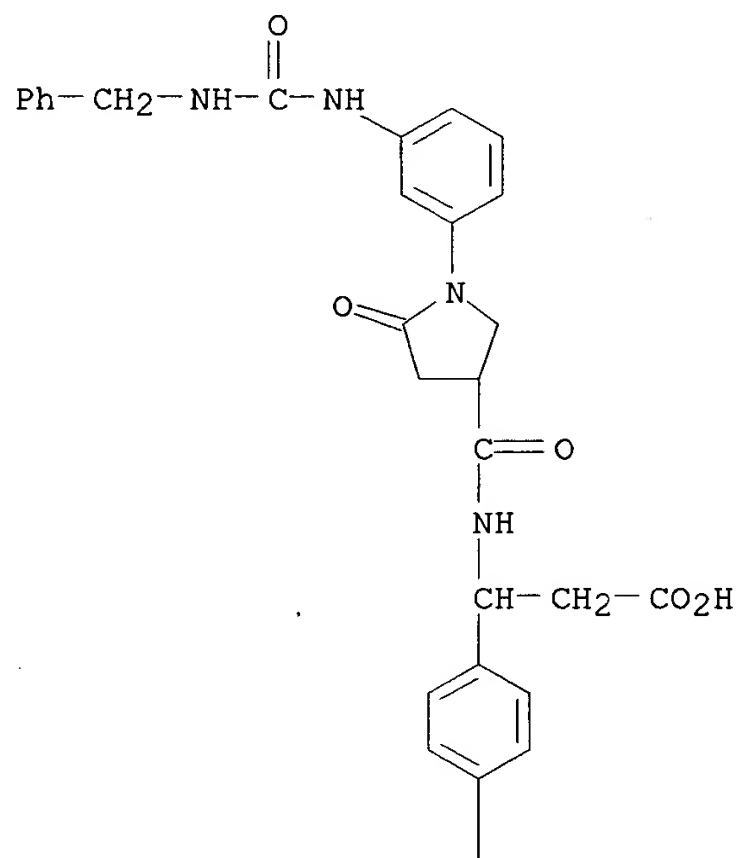
RN 345297-51-0 CAPLUS

CN Cyclohexanepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

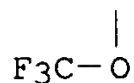


RN 345297-52-1 CAPLUS  
 CN Benzenepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-4-(trifluoromethoxy)-, monosodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

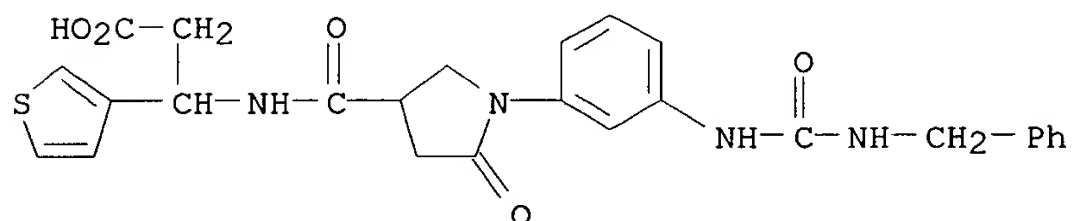






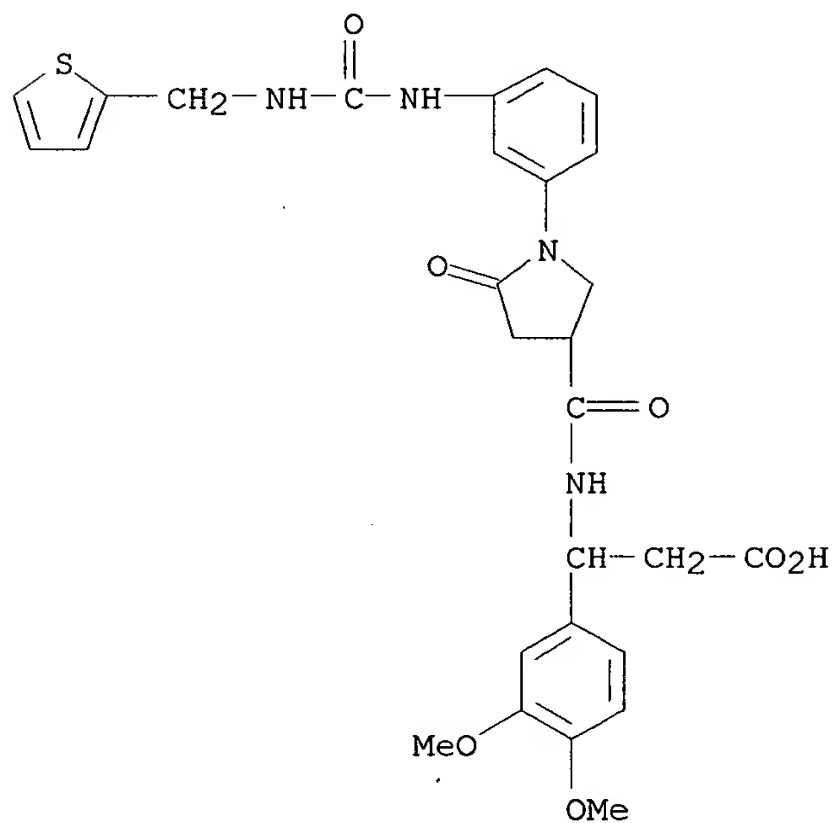
● Na

RN 345297-53-2 CAPLUS  
 CN 3-Thiophenepropanoic acid, .beta.-[[[5-oxo-1-[3-  
 [[[phenylmethyl)amino]carbonyl]amino]phenyl]-3-  
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 345297-54-3 CAPLUS  
 CN Benzenepropanoic acid, 3,4-dimethoxy-.beta.-[[[5-oxo-1-[3-[[[(2-  
 thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-  
 , monosodium salt (9CI) (CA INDEX NAME)



● Na

IT 345297-55-4P 345297-56-5P 345297-57-6P

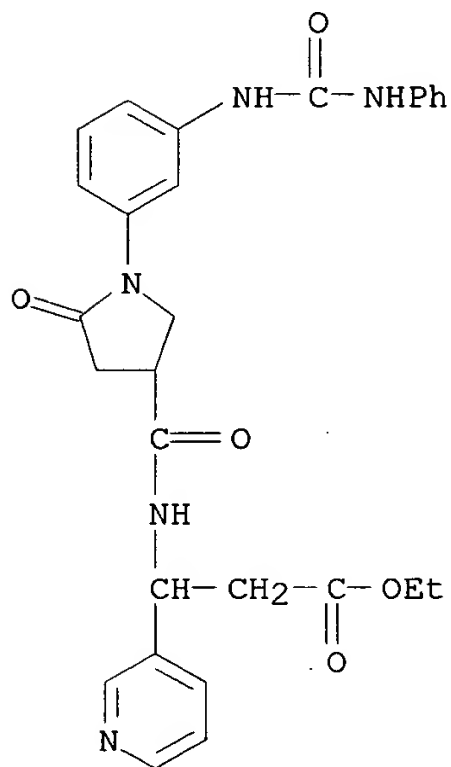
345297-58-7P 345297-59-8P 345297-60-1P  
 345297-61-2P 345297-62-3P 345297-63-4P  
 345297-64-5P 345297-66-7P 345297-68-9P  
 345297-70-3P 345297-71-4P 345297-74-7P  
 345297-80-5P 345297-85-0P 345297-86-1P  
 345297-87-2P 345297-88-3P 345297-90-7P  
 345297-91-8P 345297-92-9P 345297-93-0P  
 345297-94-1P 345297-95-2P 345297-96-3P  
 345297-97-4P 345298-02-4P 345298-03-5P  
 345659-23-6P 345659-24-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)

(prepn. of 1-(aminophenyl)-2-pyrrolidones as integrin inhibitors)

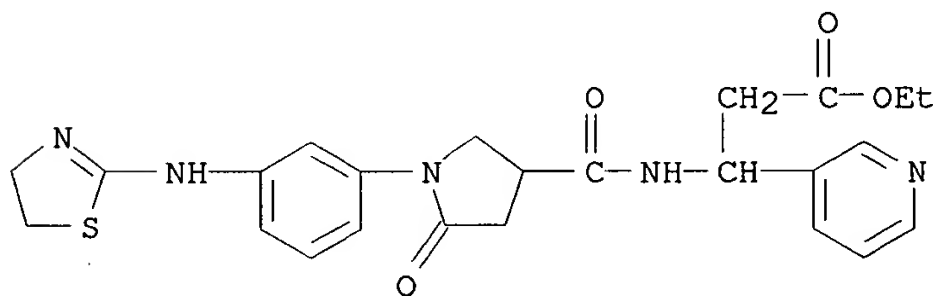
RN 345297-55-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-  
 [[(phenylamino)carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-,  
 ethyl ester (9CI) (CA INDEX NAME)



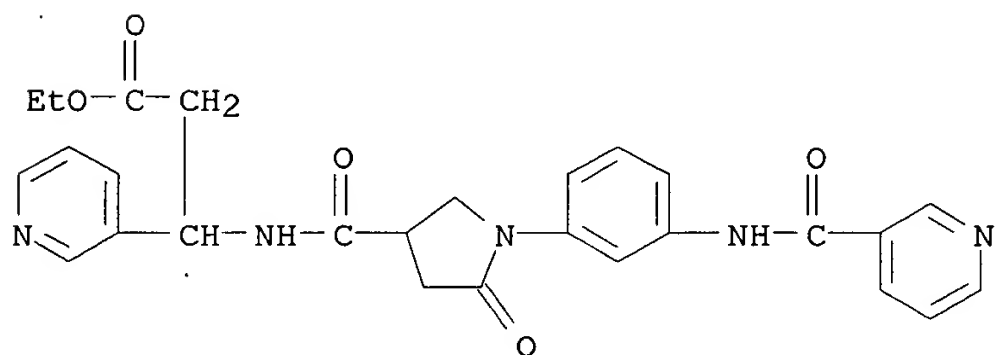
RN 345297-56-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(4,5-dihydro-2-  
 thiazolyl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester  
 (9CI) (CA INDEX NAME)



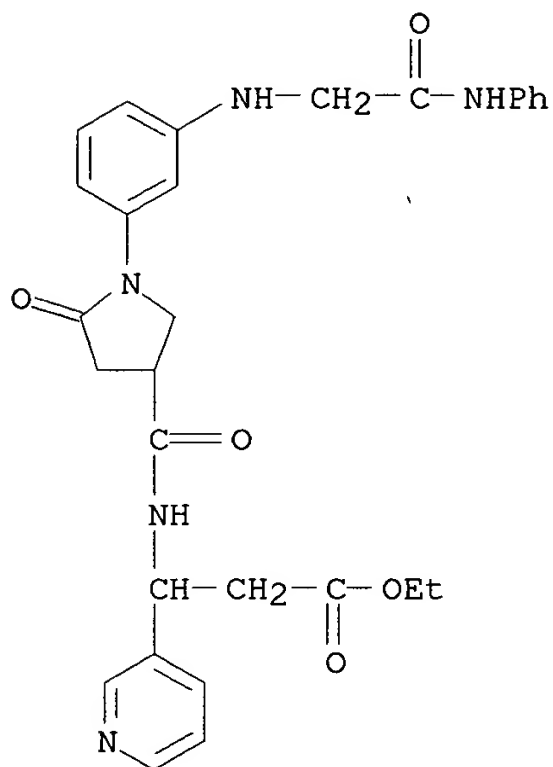
RN 345297-57-6 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(3-pyridinylcarbonyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



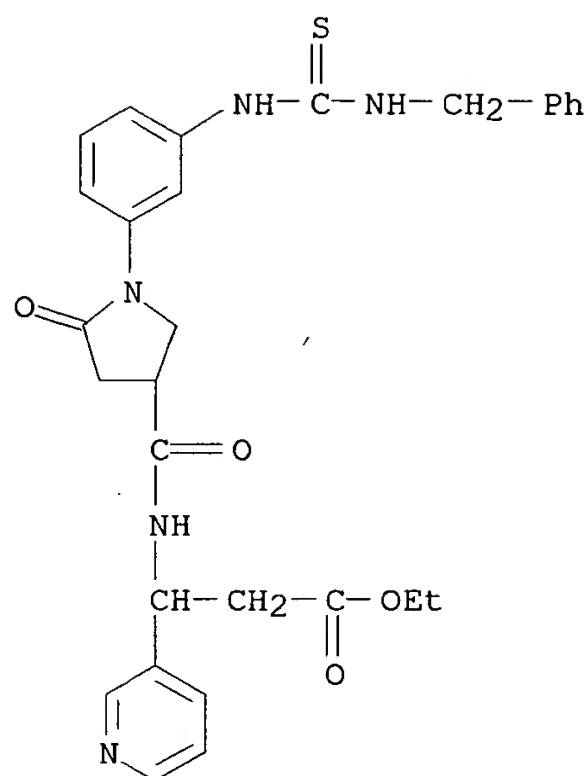
RN 345297-58-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[2-oxo-2-(phenylamino)ethyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 345297-59-8 CAPLUS

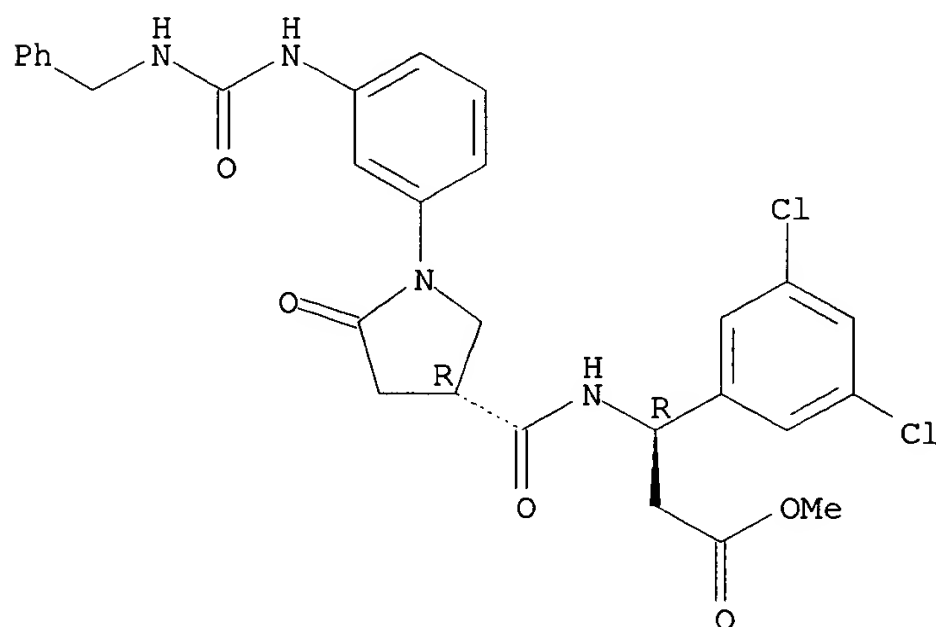
CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]thioxomethyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 345297-60-1 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[(3R)-5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester, (.beta.R)-rel- (9CI) (CA INDEX NAME)

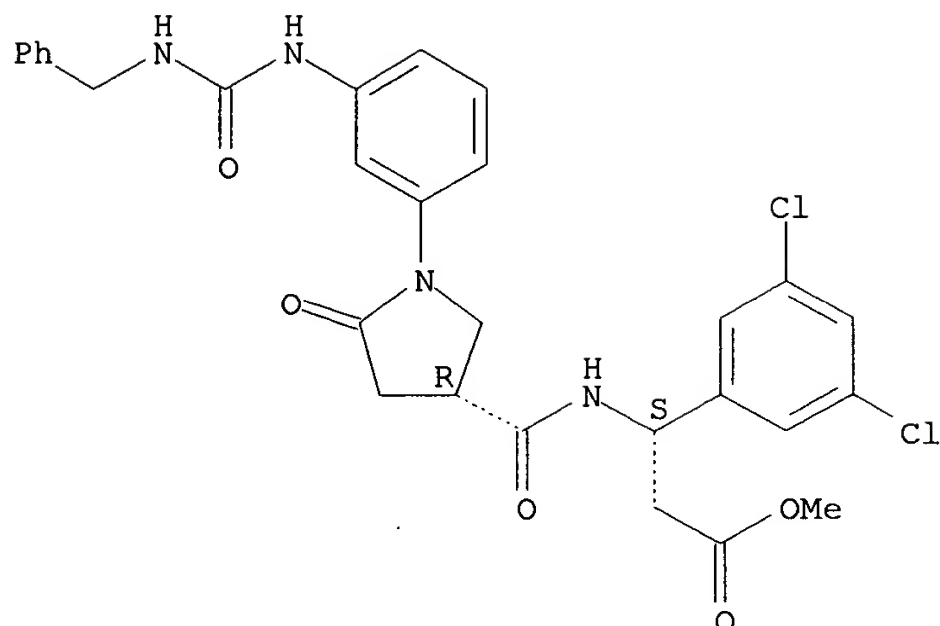
Relative stereochemistry.



RN 345297-61-2 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[(3R)-5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester, (.beta.S)-rel- (9CI) (CA INDEX NAME)

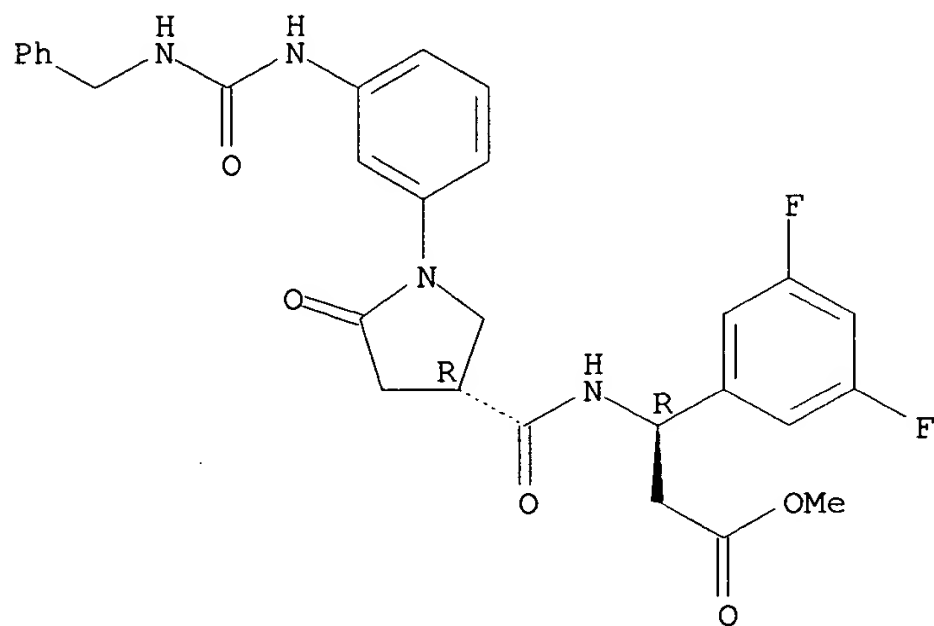
Relative stereochemistry.



RN 345297-62-3 CAPLUS

CN Benzenepropanoic acid, 3,5-difluoro-.beta.-[[[(3R)-5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester, (.beta.R)-rel- (9CI) (CA INDEX NAME)

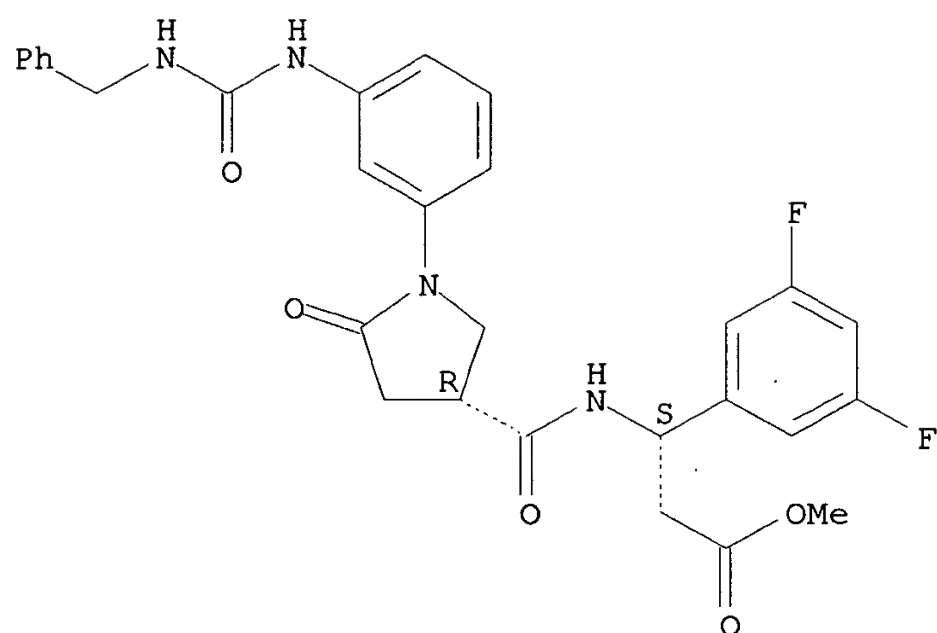
Relative stereochemistry.



RN 345297-63-4 CAPLUS

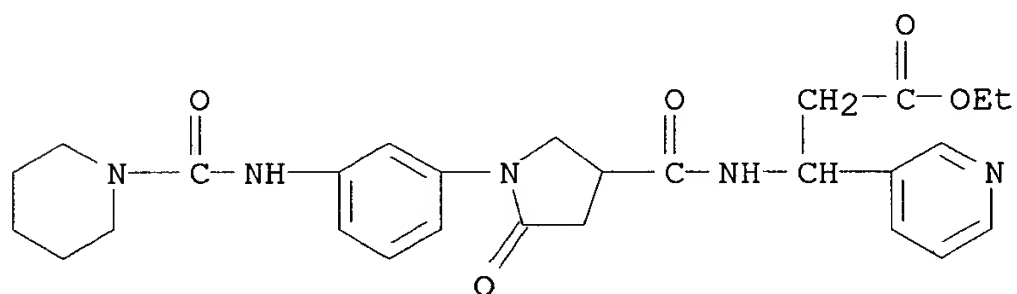
CN Benzenepropanoic acid, 3,5-difluoro-.beta.-[[[(3R)-5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester, (.beta.S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



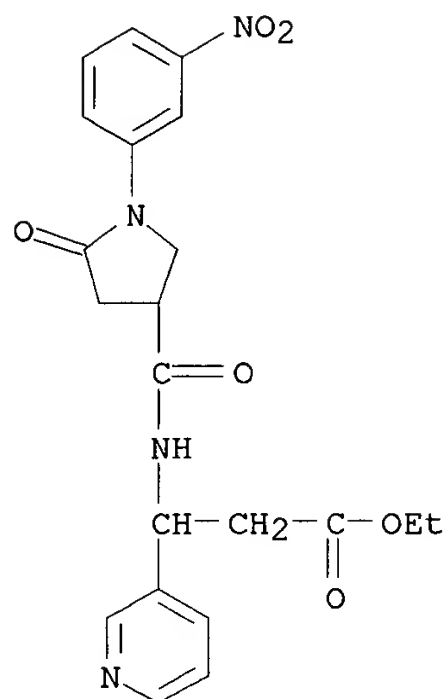
RN 345297-64-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(1-piperidinylcarbonyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



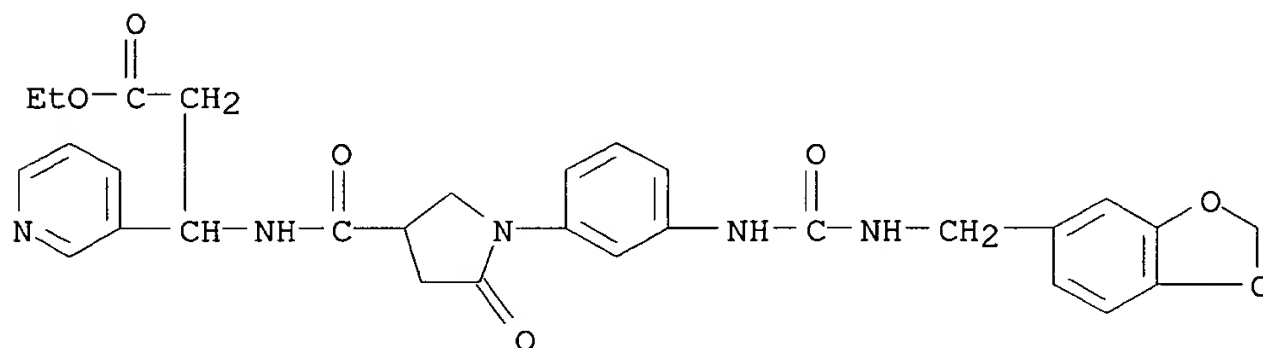
RN 345297-66-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-(3-nitrophenyl)-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



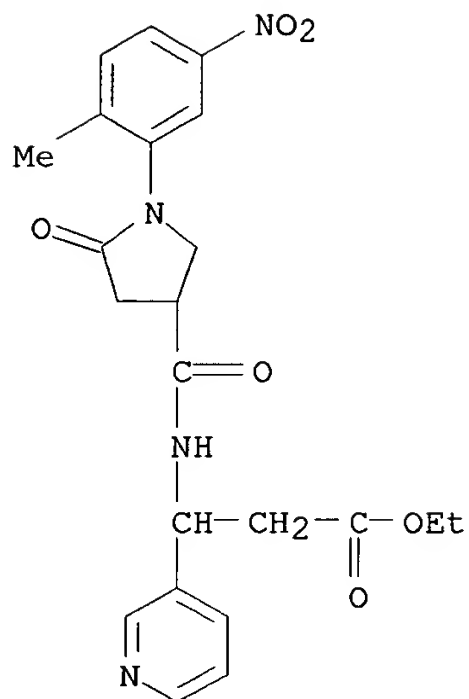
RN 345297-68-9 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(1,3-benzodioxol-5-ylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



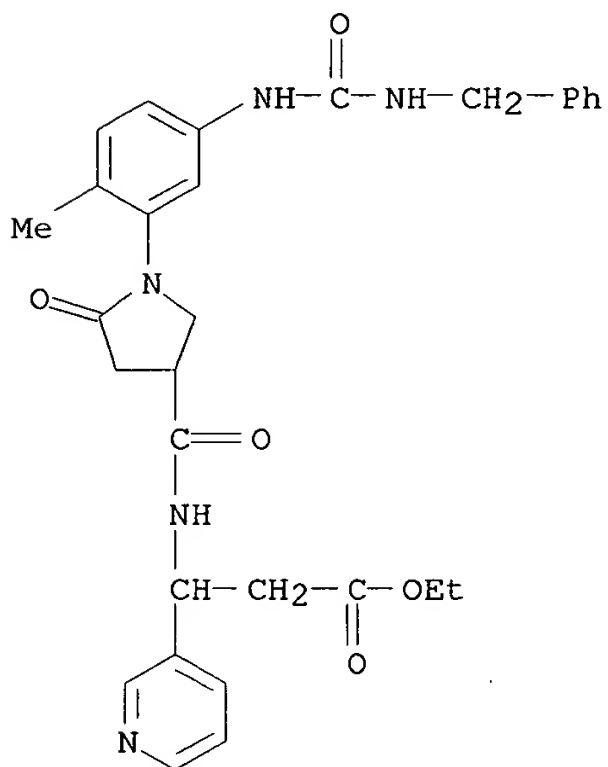
RN 345297-70-3 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-(2-methyl-5-nitrophenyl)-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 345297-71-4 CAPLUS

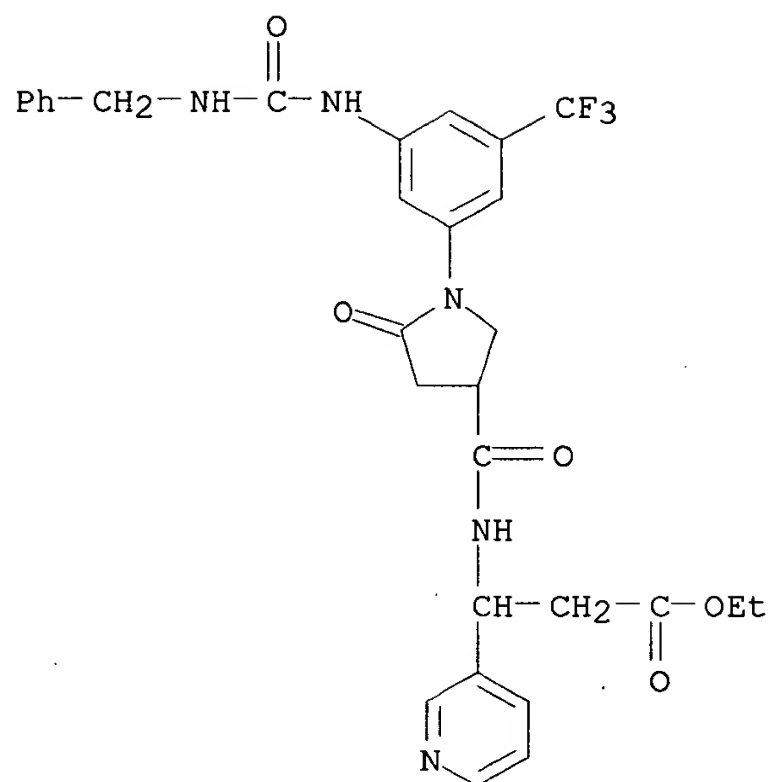
CN 3-Pyridinepropanoic acid, .beta.-[[[1-[2-methyl-5-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 345297-74-7 CAPLUS

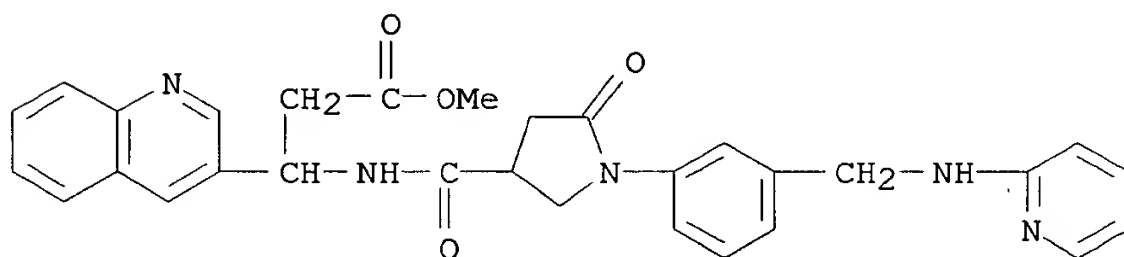
CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]-5-(trifluoromethyl)phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)





RN 345297-80-5 CAPLUS

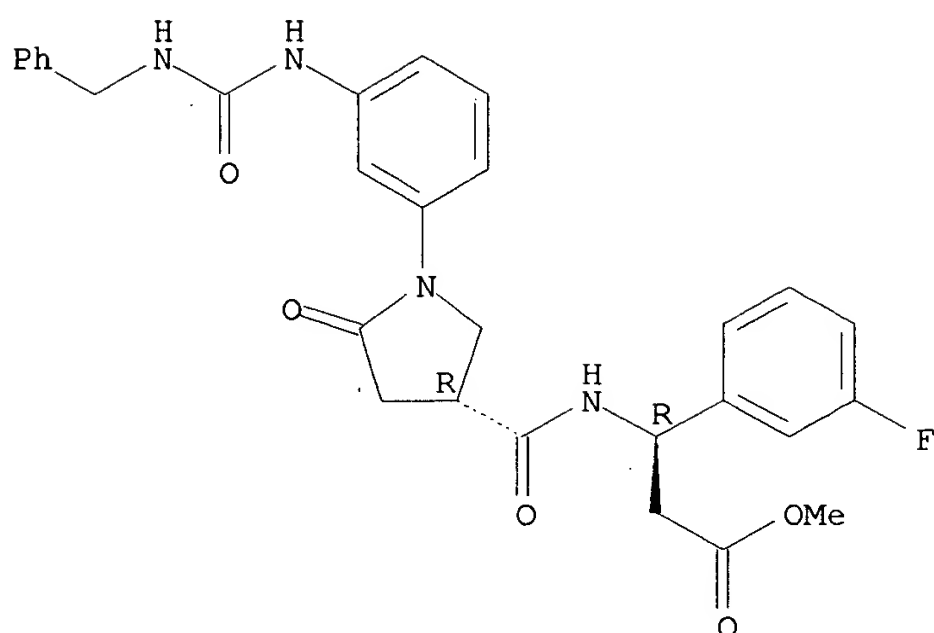
CN 3-Quinolinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(2-pyridinylamino)methyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



RN 345297-85-0 CAPLUS

CN Benzenepropanoic acid, 3-fluoro-.beta.-[[[(3R)-5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester, (.beta.R)-rel- (9CI) (CA INDEX NAME)

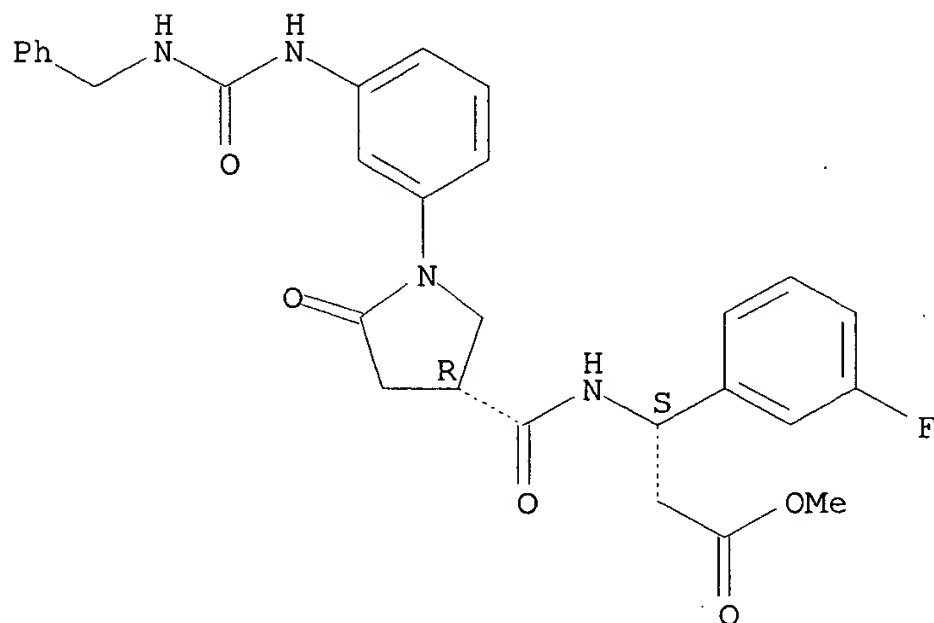
Relative stereochemistry.



RN 345297-86-1 CAPLUS

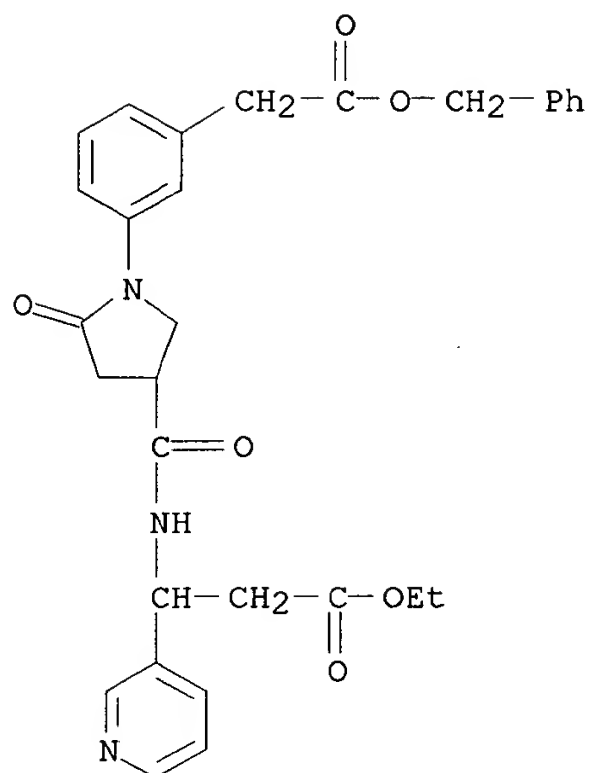
CN Benzenepropanoic acid, 3-fluoro-.beta.-[[[(3R)-5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester, (.beta.S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



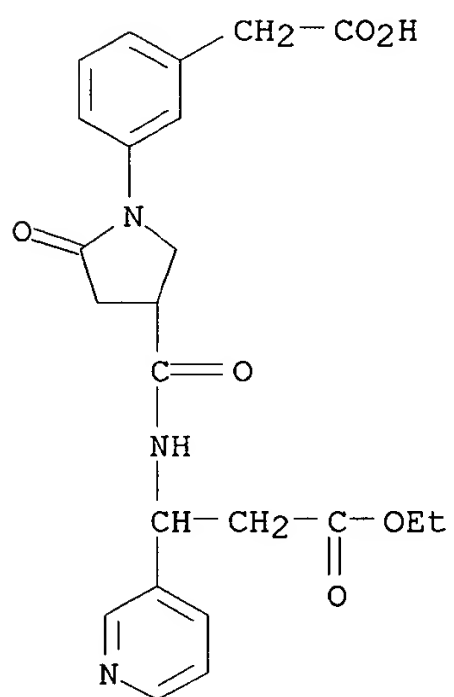
RN 345297-87-2 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[2-oxo-2-(phenylmethoxy)ethyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



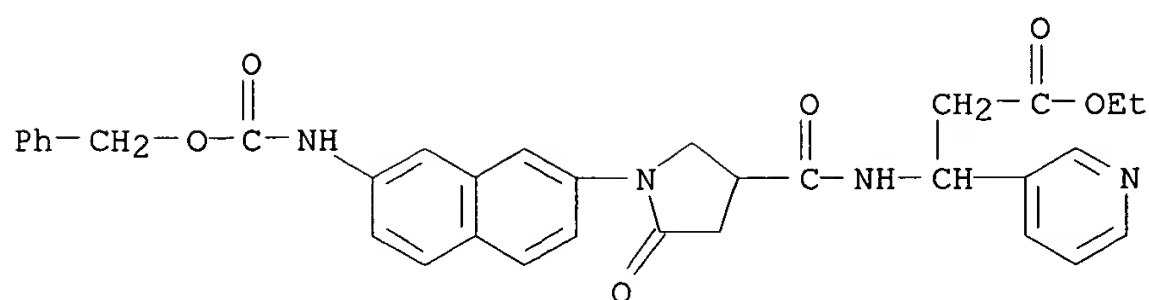
RN 345297-88-3 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-(carboxymethyl)phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, .alpha.-ethyl ester (9CI) (CA INDEX NAME)



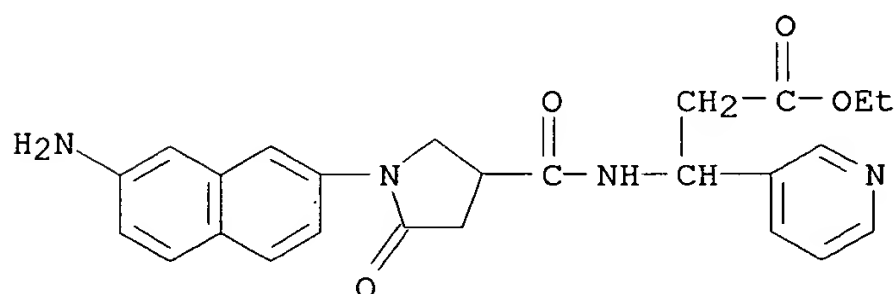
RN 345297-90-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[7-[(phenylmethoxy)carbonyl]amino]-2-naphthalenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



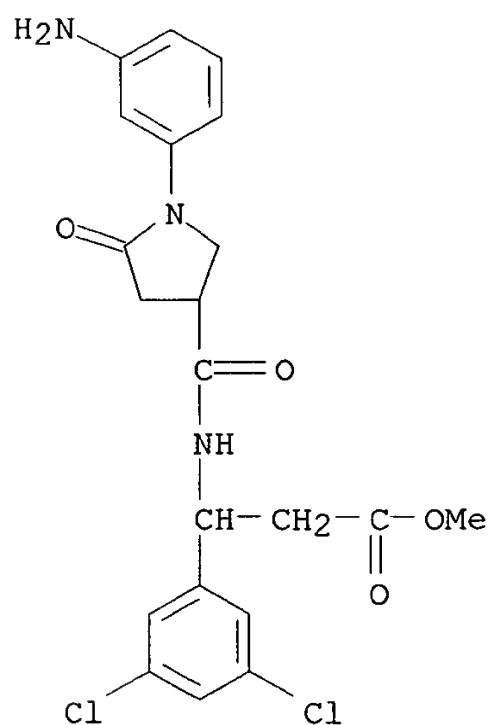
RN 345297-91-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-(7-amino-2-naphthalenyl)-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



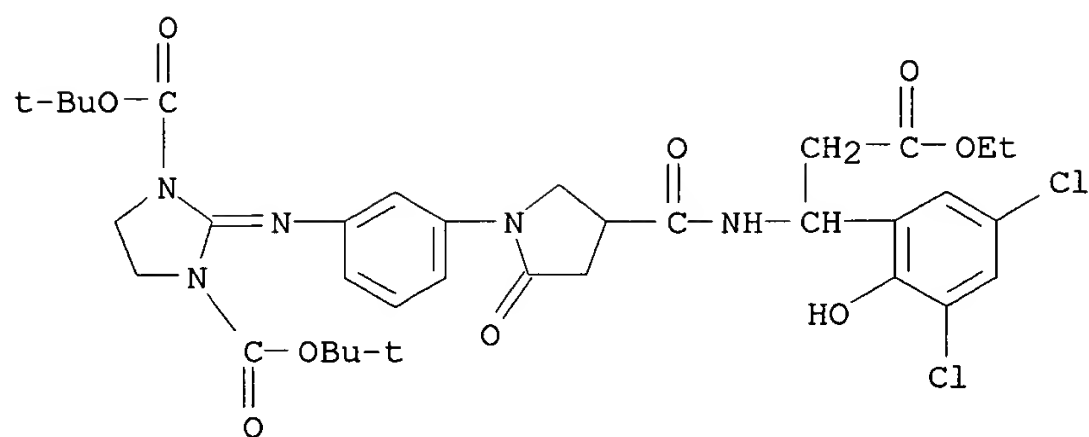
RN 345297-92-9 CAPLUS

CN Benzenepropanoic acid, .beta.-[[[1-(3-aminophenyl)-5-oxo-3-pyrrolidinyl]carbonyl]amino]-3,5-dichloro-, methyl ester (9CI) (CA INDEX NAME)



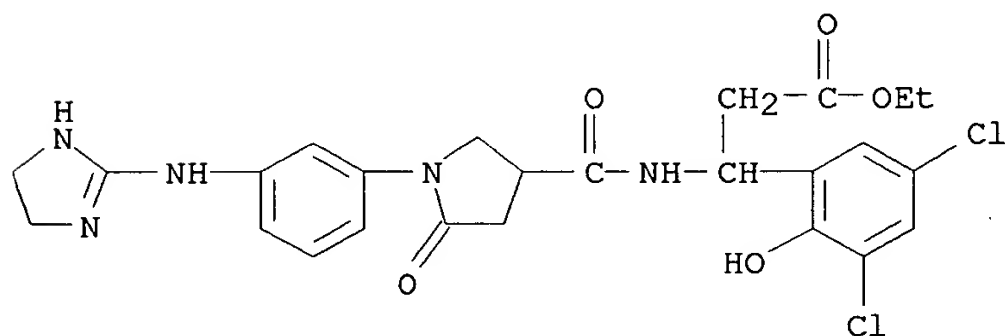
RN 345297-93-0 CAPLUS

CN 1,3-Imidazolidinedicarboxylic acid, 2-[[[3-[4-[[[1-(3,5-dichloro-2-hydroxyphenyl)-3-ethoxy-3-oxopropyl]amino]carbonyl]-2-oxo-1-pyrrolidinyl]phenyl]imino]-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)



RN 345297-94-1 CAPLUS

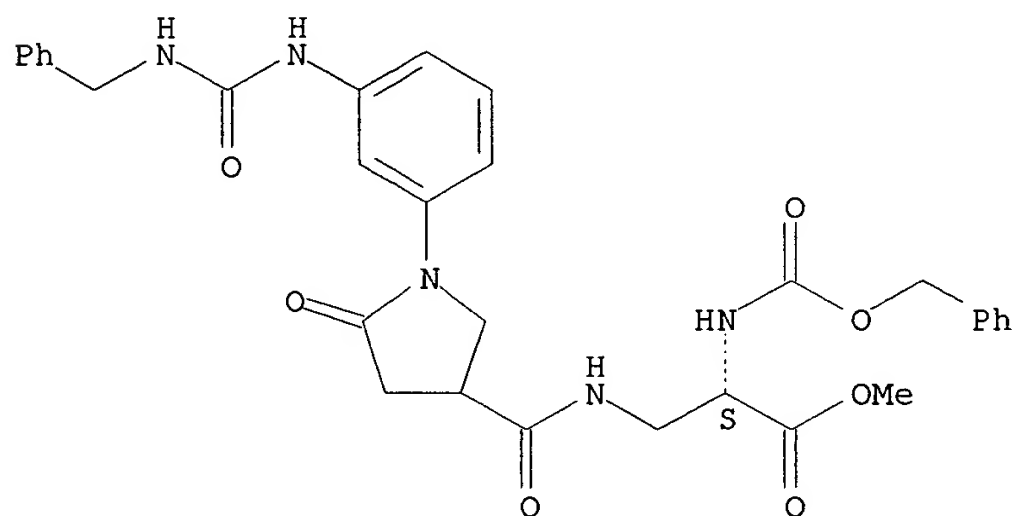
CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[1-[3-[(4,5-dihydro-1H-imidazol-2-yl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-2-hydroxy-, ethyl ester (9CI) (CA INDEX NAME)



RN 345297-95-2 CAPLUS

CN L-Alanine, 3-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-N-[(phenylmethoxy)carbonyl]-, methyl ester (9CI) (CA INDEX NAME)

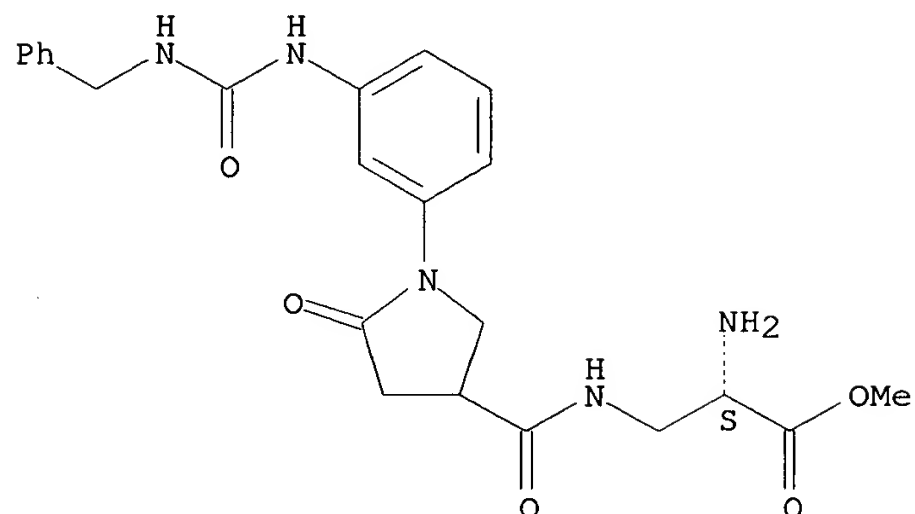
Absolute stereochemistry.



RN 345297-96-3 CAPLUS

CN L-Alanine, 3-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

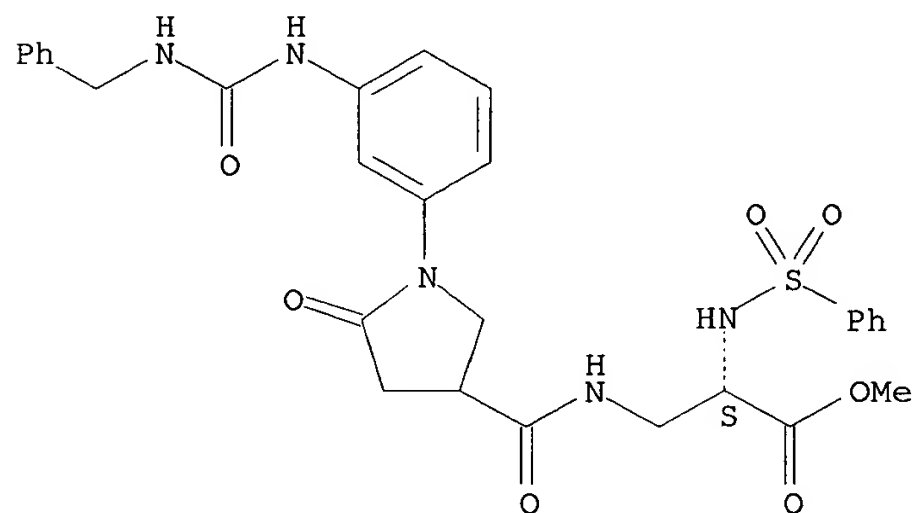
Absolute stereochemistry.



RN 345297-97-4 CAPLUS

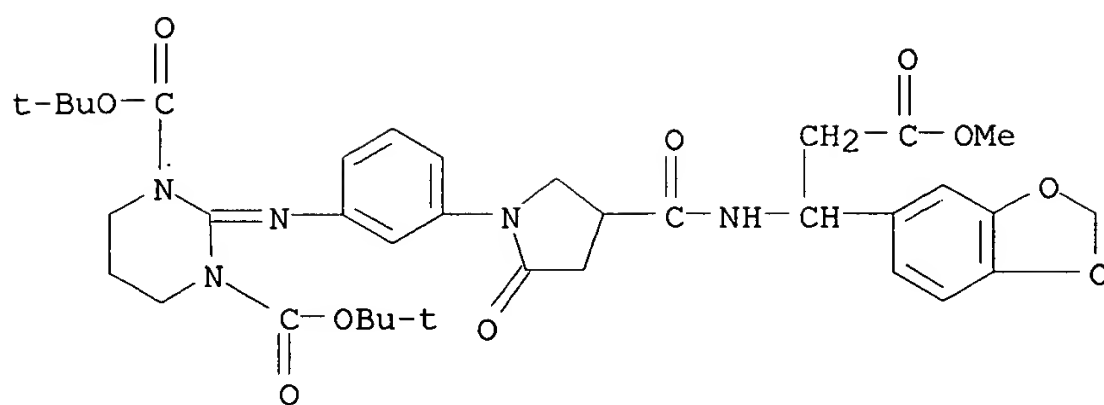
CN L-Alanine, 3-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-N-(phenylsulfonyl)-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



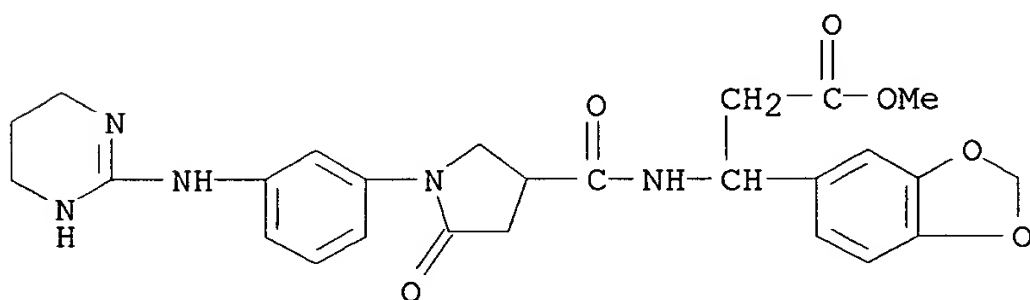
RN 345298-02-4 CAPLUS

CN 1,3(2H,4H)-Pyrimidinedicarboxylic acid, 2-[[3-[4-[[[1-(1,3-benzodioxol-5-yl)-3-methoxy-3-oxopropyl]amino]carbonyl]-2-oxo-1-pyrrolidinyl]phenyl]imino]dihydro-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)



RN 345298-03-5 CAPLUS

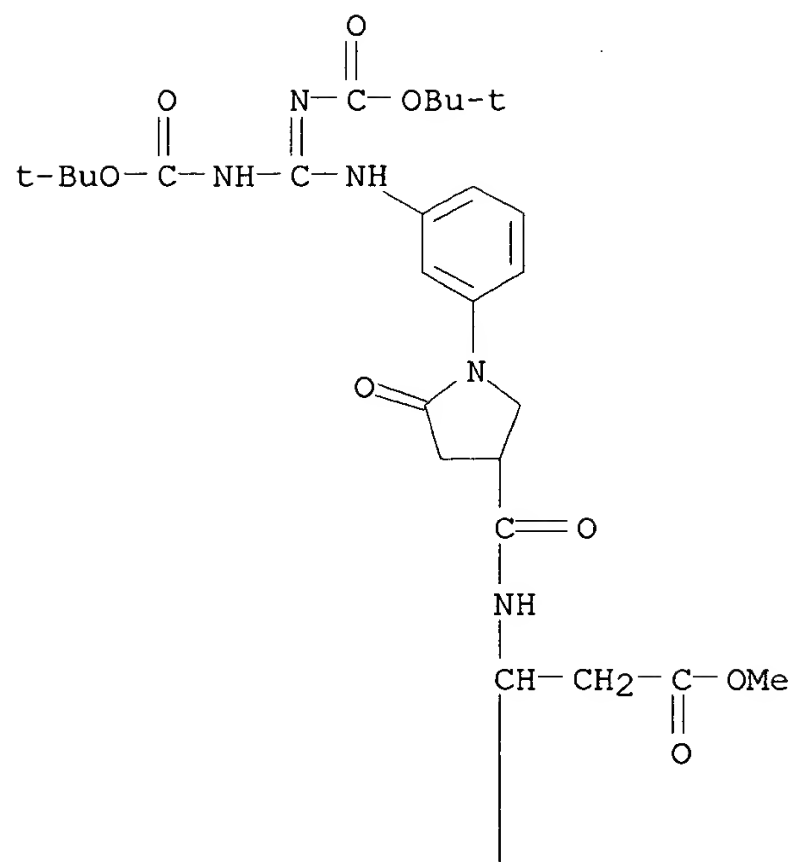
CN 1,3-Benzodioxole-5-propanoic acid, .beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



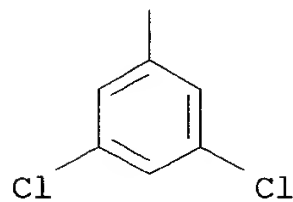
RN 345659-23-6 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[1-[3-[(E)-[[[1,1-dimethylethoxy)carbonyl]amino] [(1,1-dimethylethoxy)carbonyl]imino]methyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



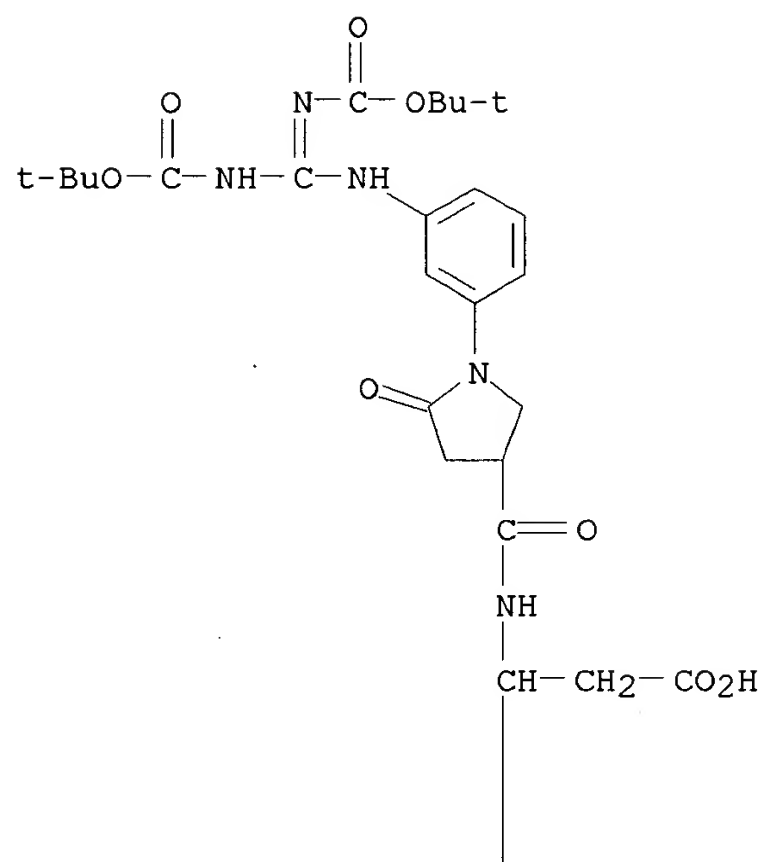
PAGE 2-A



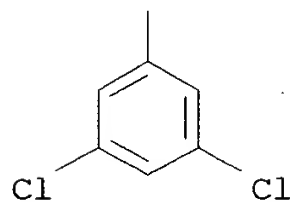
RN 345659-24-7 CAPLUS  
 CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[1-[3-[[ (E)-[[ (1,1-dimethylethoxy) carbonyl] amino] [[ (1,1-dimethylethoxy) carbonyl] imino] methyl] amino] phenyl]-5-oxo-3-pyrrolidinyl] carbonyl] amino]- (9CI) (CA INDEX NAME)



PAGE 1-A



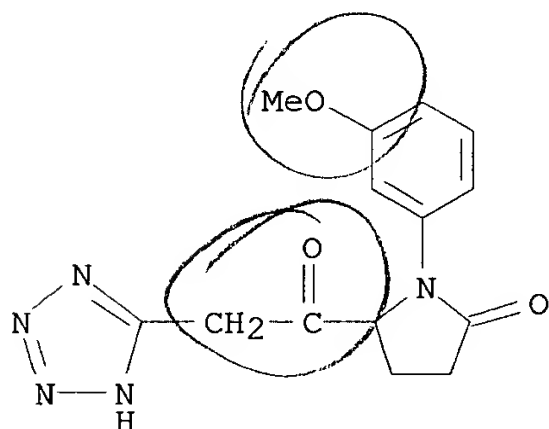
PAGE 2-A



RE.CNT 9

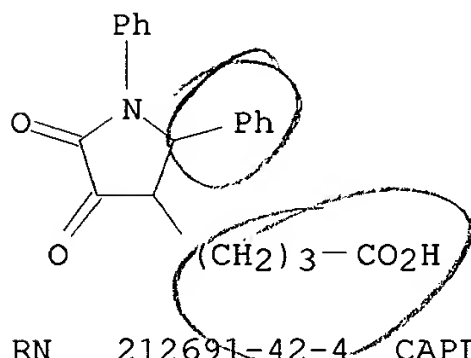
THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 2001:314410 CAPLUS  
 DN 135:180588  
 TI The reaction of 2-(tetrazol-5-yl)alkyl ketones and of 2-(tetrazol-5-yl)alkanoic acid derivatives with lead tetraacetate. A novel method of preparation of alk-2-ynyl ketones and alk-2-ynoic acid derivatives  
 AU Fetter, Jozsef; Nagy, Ildiko; Giang, Le Thanh; Kajtar-Peredy, Maria; Rockenbauer, Antal; Korecz, Laszlo; Czira, Gabor  
 CS Department of Organic Chemistry, Budapest University of Technology and Economics, Budapest, H-1521, Hung.  
 SO Journal of the Chemical Society, Perkin Transactions 1 (2001), (9), 1131-1139  
 CODEN: JCSPCE; ISSN: 1472-7781  
 PB Royal Society of Chemistry  
 DT Journal  
 LA English  
 AB The majority of tetrazolylacetyl derivs. I ( $n = 0, 1$ ) and II ( $X = \text{Ph}, \text{EtO}, \text{NPhMe}, \text{etc.}$ ,  $R_1 = \text{H}, \text{Me}, \text{Ph}, \text{etc.}$ ,  $R_2 = \text{H}, \text{Me}$ ,  $R_3 = 1\text{-Me}, \text{H}$ ), when treated with lead tetraacetate in dry 1,4-dioxane at room or lower temp., are oxidized with elimination of mol. nitrogen mainly to the corresponding alkynoyl derivs. III and  $\text{XCOC.tplbond.CR1}$ , resp. Vinylidenes have been shown to be the intermediates of the reaction. The reaction does not take place when either the tetrazolyl group is N-substituted or the carbon atom sepg. the tetrazolyl and the carbonyl groups is disubstituted or these two groups are sepd. by two carbon atoms. The reaction offers a convenient method for the conversion of 2-cyanoacetyl derivs. into alk-2-ynoyl derivs. via intermediate tetrazolylacetyl derivs. The 4-methoxyanilide II ( $X = 4\text{-MeOC}_6\text{H}_4$ ,  $R_1 = R_2 = R_3 = \text{H}$ ) reacts differently, affording the fused heterocyclic compds. IV ( $R = \text{H}, \text{OAc}$ ).  
 IT **355116-16-4**  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (oxidn.-elimination of tetrazolylalkyl ketones and -alkanoic acids with lead tetraacetate to alkynyl ketones and alkynoic acids)  
 RN 355116-16-4 CAPLUS  
 CN 2-Pyrrolidinone, 1-(3-methoxyphenyl)-5-(1H-tetrazol-5-ylacetyl)- (9CI)  
 (CA INDEX NAME)

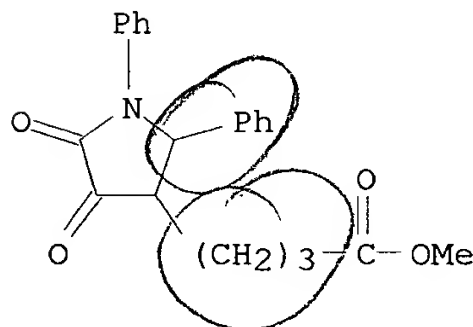


RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

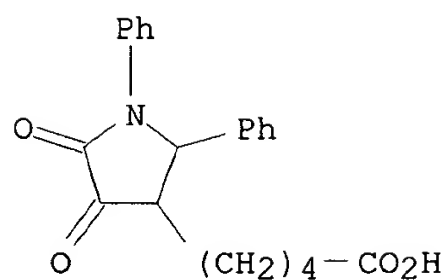
L7 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1999:3863 CAPLUS  
 Correction of: 1998:516920  
 DN 130:24934  
 Correction of: 129:230599  
 TI Ring opening reactions of 6-oxo-substituted spiro-pyrrolidinediones:  
 synthesis of 4-substituted-1,5-dihydro-3-hydroxy-2-oxo-1,5-diphenyl-2H-  
 pyrroles  
 AU Emerson, David W.; Titus, Richard L.; Jones, Marlon D.  
 CS Dep. Chem., Univ. Nevada, Las Vegas, NV, 89154-4003, USA  
 SO Journal of Heterocyclic Chemistry (1998), 35(3), 611-617  
 CODEN: JHTCAD; ISSN: 0022-152X  
 PB HeteroCorporation  
 DT Journal  
 LA English  
 OS CASREACT 130:24934  
 AB Reaction of 2-oxocycloalkylglyoxylate esters with N-phenylmethylenedianiline  
 yields 2-aza-3,4,6-trioxo-1,2-diphenylspiro[4.n]alkanes. These undergo  
 solvolytic opening of the oxocycloalkane ring to yield  
 4-substituted-1,5-dihydro-3-hydroxy-2-oxo-1,5-diphenyl-2H-pyrroles.  
 IT **212691-41-3P 212691-42-4P 212691-43-5P**  
**212691-44-6P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and ring opening of spirocycloalkanepyrrolidinetrione)  
 RN 212691-41-3 CAPLUS  
 CN 3-Pyrrolidinebutanoic acid, 4,5-dioxo-1,2-diphenyl- (9CI) (CA INDEX NAME)



RN 212691-42-4 CAPLUS  
 CN 3-Pyrrolidinebutanoic acid, 4,5-dioxo-1,2-diphenyl-, methyl ester (9CI)  
 (CA INDEX NAME)

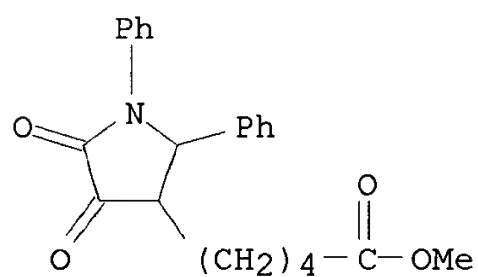


RN 212691-43-5 CAPLUS  
 CN 3-Pyrrolidinepentanoic acid, 4,5-dioxo-1,2-diphenyl- (9CI) (CA INDEX  
 NAME)

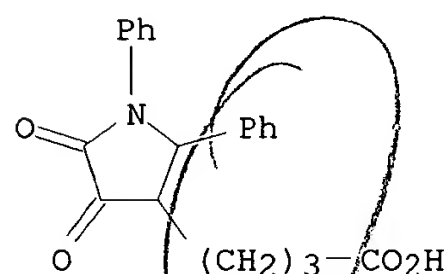


RN 212691-44-6 CAPLUS

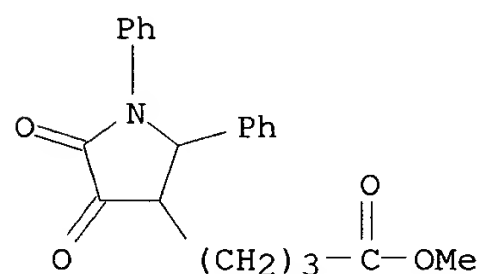
CN 3-Pyrrolidinepentanoic acid, 4,5-dioxo-1,2-diphenyl-, methyl ester (9CI)  
(CA INDEX NAME)



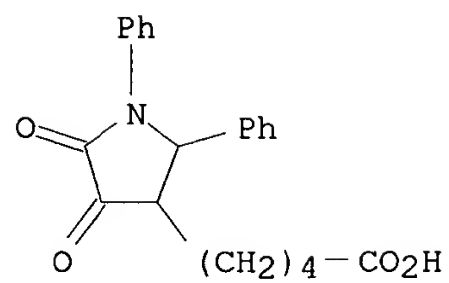
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT



RN 212691-42-4 CAPLUS  
CN 3-Pyrrolidinebutanoic acid, 4,5-dioxo-1,2-diphenyl-, methyl ester (9CI)  
(CA INDEX NAME)

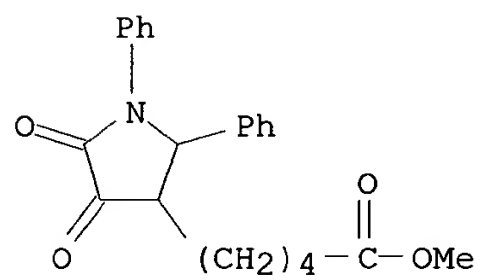


RN	212691-43-5	CAPLUS		
CN	3-Pyrrolidinepentanoic acid, 4,5-dioxo-1,2-diphenyl- (9CI) (CA INDEX NAME)			

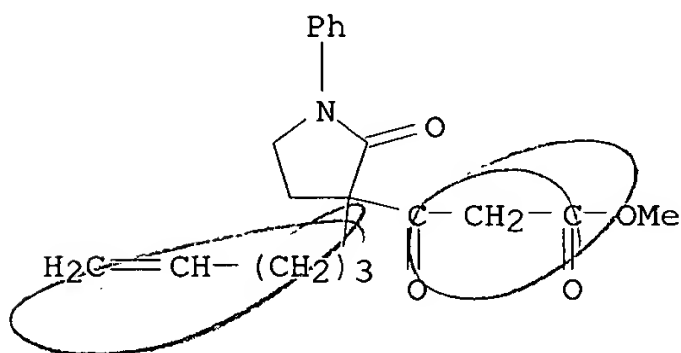


RN 212691-44-6 CAPLUS

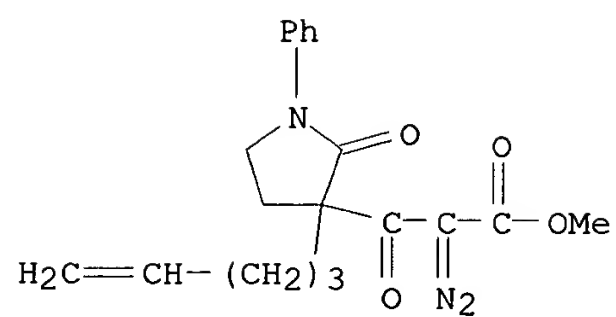
CN 3-Pyrrolidinepentanoic acid, 4,5-dioxo-1,2-diphenyl-, methyl ester (9CI)  
(CA INDEX NAME)



L7 ANSWER 5 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1998:48049 CAPLUS  
 DN 128:61672  
 TI Synthesis of the Pentacyclic Skeleton of the Aspidosperma Alkaloids Using Rhodium Carbenoids as Reactive Intermediates  
 AU Padwa, Albert; Price, Alan T.  
 CS Department of Chemistry, Emory University, Atlanta, GA, 30322, USA  
 SO J. Org. Chem. (1998), 63(3), 556-565  
 CODEN: JOCEAH; ISSN: 0022-3263  
 PB American Chemical Society  
 DT Journal  
 LA English  
 OS CASREACT 128:61672  
 AB A series of diazo amido keto esters prep'd. from N-alkenyl-substituted 3-carbalkoxy-2-piperidone derivs. was treated with rhodium(II) acetate. Attack of the amido carbonyl oxygen at the resultant rhodium carbenoid center produced a transient push-pull carbonyl ylide dipole which underwent an intramol. dipolar cycloaddn. reaction. A related annulation sequence was used to prep. the pentacyclic skeleton of the aspidosperma family of alkaloids. Synthesis of the required diazo imide was carried out from 3-carboxy-3-ethyl-2-piperidone and N-methyl-3-indoleacetic acid. Treatment of the diazo imide with rhodium(II) acetate afforded a transient 1,3-dipole which subsequently underwent cycloaddn. across the indole .pi.-bond. The resulting cycloadduct is the consequence of endo cycloaddn. with respect to the dipole which is fully in accord with the lowest energy transition state. The cycloadduct was converted in three steps into desacetoxy-4-oxo-6,7-dihydrovindorosine. The stereochem. of the final product was established by a X-ray crystallog. study.  
 IT **199326-66-4P 199326-73-3P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
 (synthesis of the pentacyclic skeleton of the aspidosperma alkaloids using rhodium carbenoids as reactive intermediates)  
 RN 199326-66-4 CAPLUS  
 CN 3-Pyrrolidinepropanoic acid, .beta.,2-dioxo-3-(4-pentenyl)-1-phenyl-, methyl ester (9CI) (CA INDEX NAME)

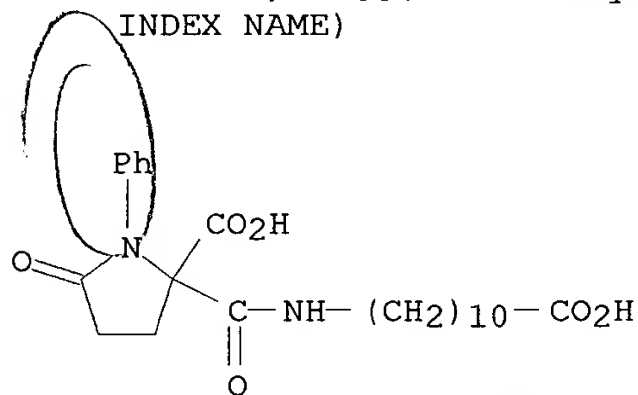


RN 199326-73-3 CAPLUS  
 CN 3-Pyrrolidinepropanoic acid, .alpha.-diazo-.beta.,2-dioxo-3-(4-pentenyl)-1-phenyl-, methyl ester (9CI) (CA INDEX NAME)



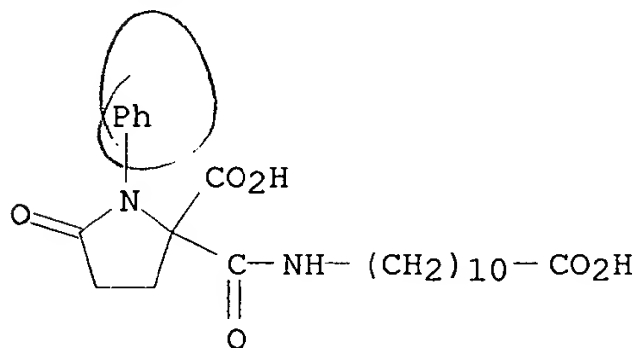


L7 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1997:336272 CAPLUS  
 DN 127:50957  
 TI Exploitation of the Ugi 4CC reaction: preparation of small molecule  
 combinatorial libraries via solid phase  
 AU Short, Kevin M.; Ching, Brett W.; Majali, Adnan M. M.  
 CS Ontogen Corp., Carlsbad, CA, 92009, USA  
 SO Tetrahedron (1997), 53(19), 6653-6679  
 CODEN: TETRAB; ISSN: 0040-4020  
 PB Elsevier  
 DT Journal  
 LA English  
 OS CASREACT 127:50957  
 AB The potential of the Ugi 4-component condensation reaction has been  
 explored with regard to the prepn. of large combinatorial libraries of  
 small org. mol. of varying structures. These include small-ring lactams,  
 .alpha.-(dialkylamino)amides, hydantoin 4-imides, 2-thiohydantoin 4-imides  
 and 5-(1'-aminoalkyl)tetrazoles.  
 IT **187999-74-2P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (Ugi 4-component condensation in solid-phase prepn. of small mol.  
 combinatorial libraries)  
 RN 187999-74-2 CAPLUS  
 CN Proline, 2-[[[(10-carboxydecyl)amino]carbonyl]-5-oxo-1-phenyl- (9CI) (CA  
 INDEX NAME)



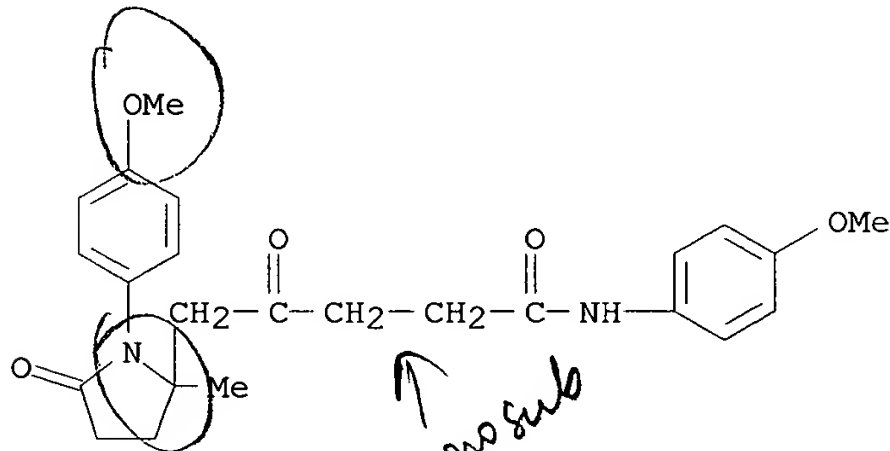
No sub.  
 ↑

L7 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1997:81277 CAPLUS  
 DN 126:211976  
 TI A solid-phase combinatorial method for the synthesis of novel 5- and 6-  
 membered ring lactams  
 AU Short, Kevin M.; Majalli, Adnan M. M.  
 CS Ontogen Corp., Carlsbad, CA, 92009, USA  
 SO Tetrahedron Lett. (1997), 38(3), 359-362  
 CODEN: TELEAY; ISSN: 0040-4039  
 PB Elsevier  
 DT Journal  
 LA English  
 AB The synthesis of small-ring lactams I [R1 = CH2Ph, n-Bu, n-C11H23,  
 CH2C.tplbond.CH; R2 = n-Bu, (CH2)nCO2H; R3 = Me, 4-BrC6H4, Ph, CO2H; n =  
 10, 5, 2], via the condensation of .omega.-keto acids R3CO(CH2)mCH2CO2H (m  
 = 1, 2), isocyanides R2NC and amines R1NH2 is reported. This process is  
 shown to proceed well in a combinatorial fashion, by immobilization of the  
 isocyanide component on Wang resin. The product is then released from the  
 support on treatment with 10% TFA/CH2Cl2.  
 IT **187999-74-2P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (solid-phase combinatorial method for prepn. of lactams)  
 RN 187999-74-2 CAPLUS  
 CN Proline, 2-[[[(10-carboxydecyl)amino]carbonyl]-5-oxo-1-phenyl- (9CI) (CA  
 INDEX NAME)



no 22  
no 24

L7 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1996:457592 CAPLUS  
 DN 125:195238  
 TI Simple and condensed .beta.-lactams. Part 27. Reaction of  
 1-(4-methoxyphenyl)-4-(tetrazol-5-yl)azetidin-2-one and  
 1-(4-methoxyphenyl)-5-(tetrazol-5-ylmethyl)pyrrolidin-2-one with  
 cerium(IV) ammonium nitrate (CAN)  
 AU Giang, Le Thanh; Fetter, Jozsef; Lempert, Karoly; Kajtar-Peredy, Maria;  
 Gomory, Agnes  
 CS Dep. of Organic Chemistry, Technical Univ. Budapest, Budapest, H-1521,  
 Hung.  
 SO Tetrahedron (1996), 52(30), 10169-10184  
 CODEN: TETRAB; ISSN: 0040-4020  
 DT Journal  
 LA English  
 OS CASREACT 125:195238  
 AB Treatment of pyrrolidinone I with CAN under the usual conditions leads to  
 formation of spiro compd. II, rather than to N-demethoxyphenylation. A  
 study of the reactions of compd. II with sodium chloride and sodium iodide  
 furnished the proof for the assumption that the related non-isolable  
 compds. III (X = CH<sub>2</sub>, bond) are the intermediates of the anomalous  
 reactions of compds. IV (X = CH<sub>2</sub>, bond) with CAN.  
 IT **180629-14-5P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (reaction of 1-(4-methoxyphenyl)-4-(tetrazol-5-yl)azetidin-2-one and  
 1-(4-methoxyphenyl)-5-(tetrazol-5-ylmethyl)pyrrolidin-2-one with  
 cerium(IV) ammonium nitrate)  
 RN 180629-14-5 CAPLUS  
 CN 2-Pyrrolidinepentanamide, N,1-bis(4-methoxyphenyl)-2-methyl-.gamma.,5-  
 dioxo- (9CI) (CA INDEX NAME)



↑  
 no sub  
 no U.

X

L7 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2002 ACS

AN 1995:792576 CAPLUS

DN 123:199399

TI Preparation of N-[1-(4-amidinophenyl)-2-oxo-3-pyrrolidinyl- and  
-piperidinylacetyl]aminoalkanoates as platelet aggregation inhibitorsIN Abood, Norman Anthony; Flynn, Daniel Lee; Garland, Robert Bruce;  
Schretzman, Lori Ann; Williams, Kenneth; Zablocki, Jeffery Alan;  
Hockerman, Susan Landis

PA G.D. Searle and Co., USA

SO PCT Int. Appl., 169 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

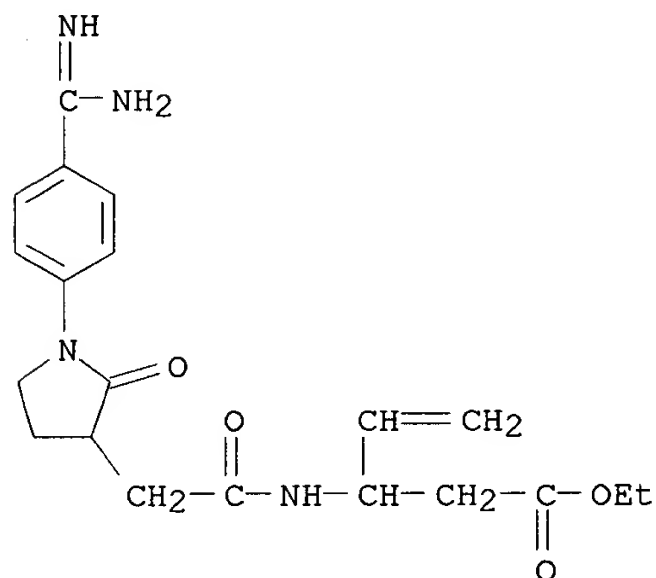
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9422820	A1	19941013	WO 1994-US3259	19940330
	W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TT, UA, US, UZ, VN				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2159450	AA	19941013	CA 1994-2159450	19940330
	AU 9465522	A1	19941024	AU 1994-65522	19940330
	AU 681396	B2	19970828		
	EP 691953	A1	19960117	EP 1994-913308	19940330
	EP 691953	B1	20000802		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	CN 1124957	A	19960619	CN 1994-192290	19940330
	CN 1054842	B	20000726		
	JP 08508732	T2	19960917	JP 1994-522208	19940330
	JP 3034046	B2	20000417		
	AT 195117	E	20000815	AT 1994-913308	19940330
	ES 2150489	T3	20001201	ES 1994-913308	19940330
	US 5721366	A	19980224	US 1995-436404	19950523
	FI 9504609	A	19951023	FI 1995-4609	19950928
	NO 9503844	A	19951120	NO 1995-3844	19950928
PRAI	US 1993-41433	A	19930331		
	WO 1994-US3259	W	19940330		
OS	MARPAT 123:199399				
AB	Title compds. [I; R1 = H, (cyclo)alkyl, aryl, etc.; R2 = H, (cyclo)alkyl, heterocyclyl, aryl, etc.; R3 = H, alkyl, halo, alkoxy, etc.; X = CONH, NHCONH; Z1, Z2 = H, OH, halo, alkyl(oxy); m = 1-4; n = 0-4; p = 0 or 1] were prepd. Thus, 4-(NC)C6H4NH2 was cyclocondensed with Br(CH2)2COCl and the product alkylated by BrCH2CO2CMe3 to give, after sapon. and resoln., (-)-1-(4-cyanophenyl)-2-pyrrolidinone-3-acetic acid which was amidated by Et (3S)-vinyl-.beta.-alanine to give, in 4 addnl. steps, title compd. enantiomeric II. The latter had IC50 of 0.055.mu.M against human platelet aggregation in vitro.				
IT	167833-16-1P	167833-17-2P	167833-18-3P		
	167833-19-4P	167833-20-7P	167833-21-8P		
	167833-22-9P	167833-23-0P	167833-24-1P		
	167833-26-3P	167833-27-4P	167833-28-5P		
	167833-29-6P	167833-30-9P	167833-31-0P		
	167833-32-1P	167833-33-2P	167833-34-3P		
	167833-35-4P	167833-36-5P	167833-37-6P		
	167833-38-7P	167833-41-2P	167833-43-4P		
	167833-90-1P	167833-91-2P			

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of N-[1-(4-amidinophenyl)-2-oxo-3-pyrrolidinyl- and -piperidinylacetyl]aminoalkanoates as platelet aggregation inhibitors)

RN 167833-16-1 CAPLUS

CN 4-Pentenoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



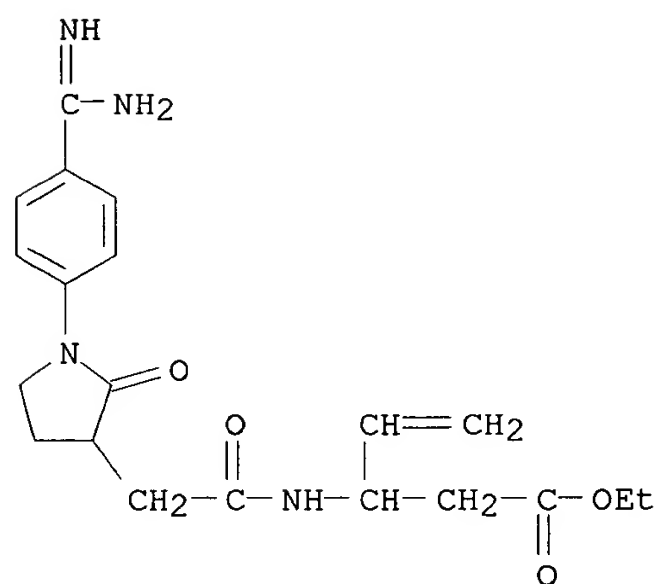
RN 167833-17-2 CAPLUS

CN 4-Pentenoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

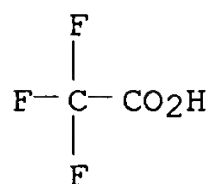
CRN 167833-16-1

CMF C20 H26 N4 O4

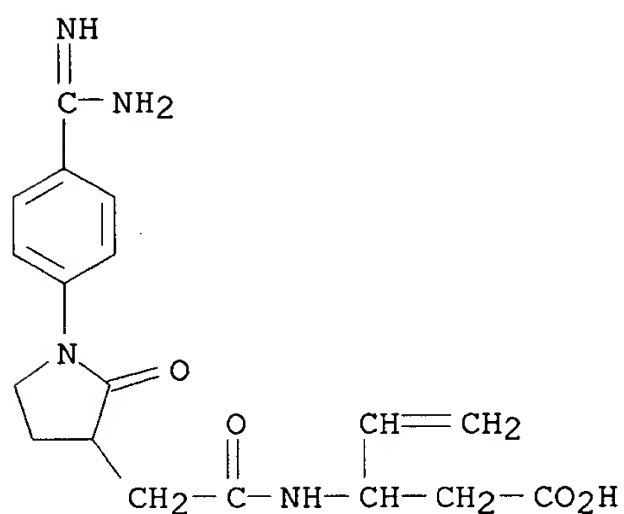


CM 2

CRN 76-05-1  
CMF C2 H F3 O2

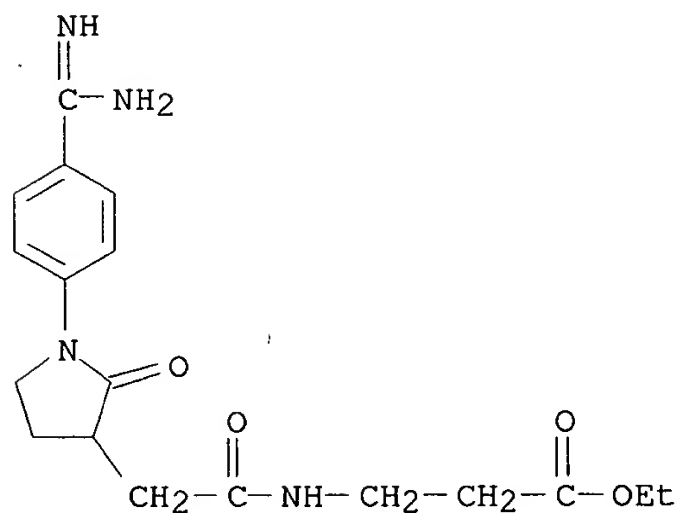


RN 167833-18-3 CAPLUS  
CN 4-Pentenoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 167833-19-4 CAPLUS  
CN .beta.-Alanine, N-[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]-, ethyl ester (9CI) (CA INDEX NAME)



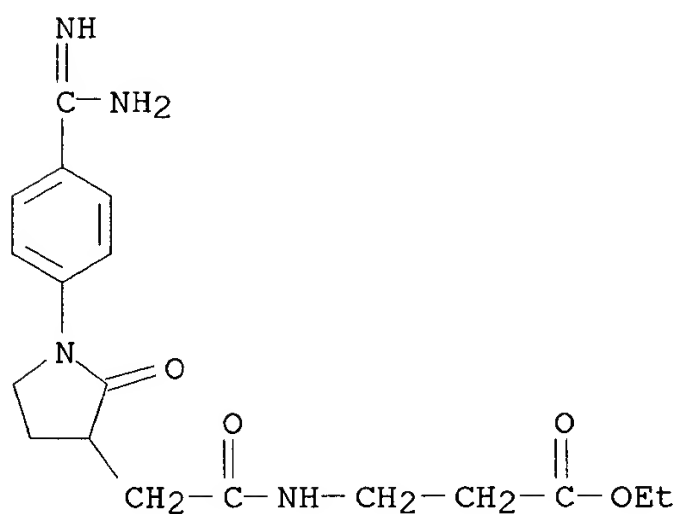
RN 167833-20-7 CAPLUS

CN .beta.-Alanine, N-[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-19-4

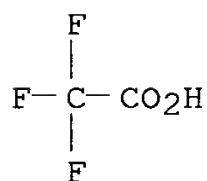
CMF C18 H24 N4 O4



CM 2

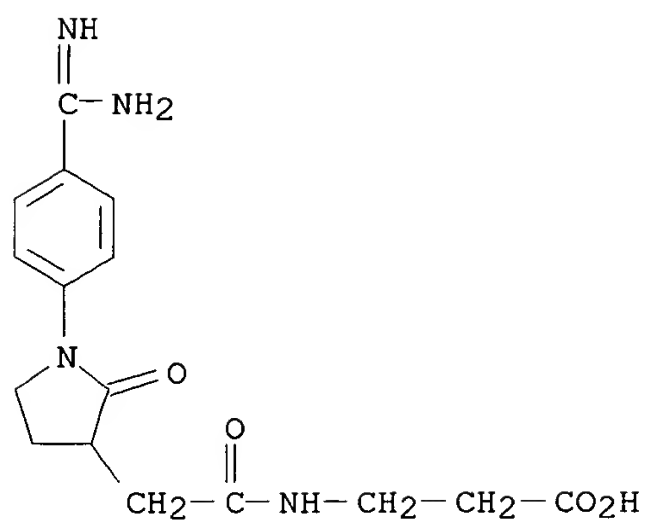
CRN 76-05-1

CMF C2 H F3 O2



RN 167833-21-8 CAPLUS

CN .beta.-Alanine, N-[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]- (9CI) (CA INDEX NAME)



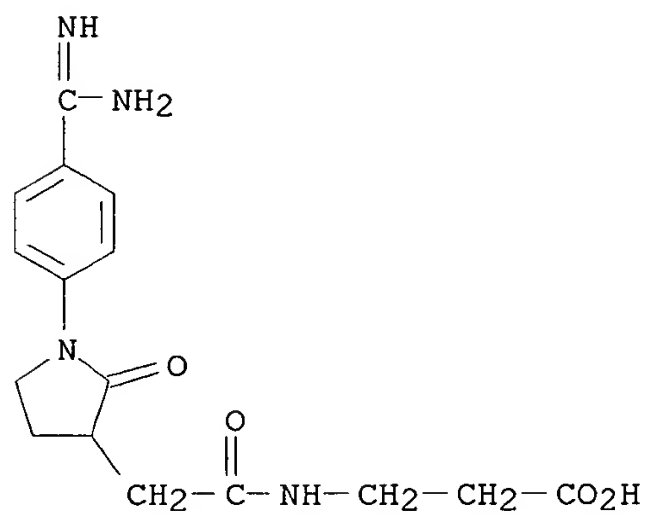
RN 167833-22-9 CAPLUS

CN .beta.-Alanine, N-[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-21-8

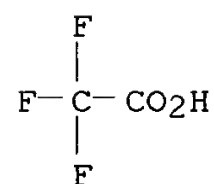
CMF C16 H20 N4 O4



CM 2

CRN 76-05-1

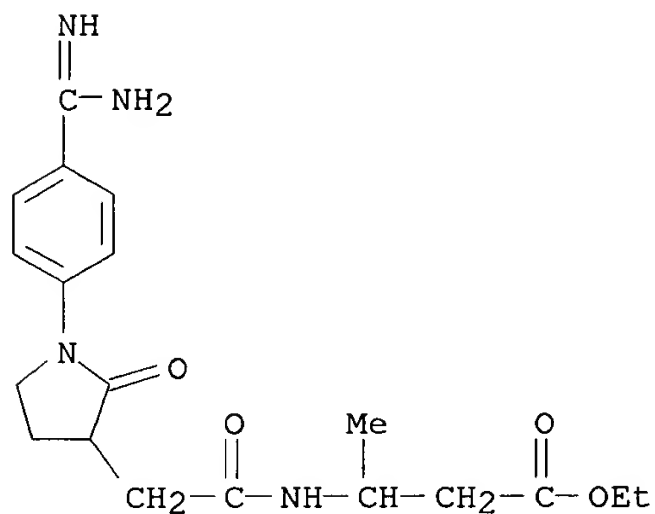
CMF C2 H F3 O2



RN 167833-23-0 CAPLUS



CN Butanoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



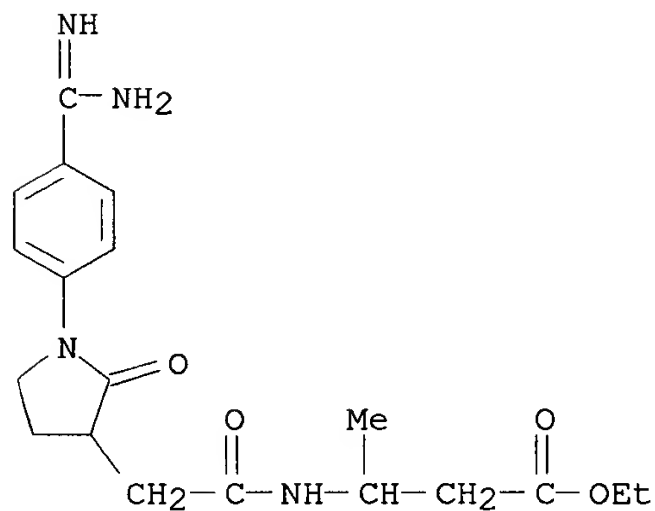
RN 167833-24-1 CAPLUS

CN Butanoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-23-0

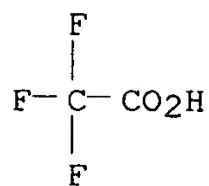
CMF C19 H26 N4 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



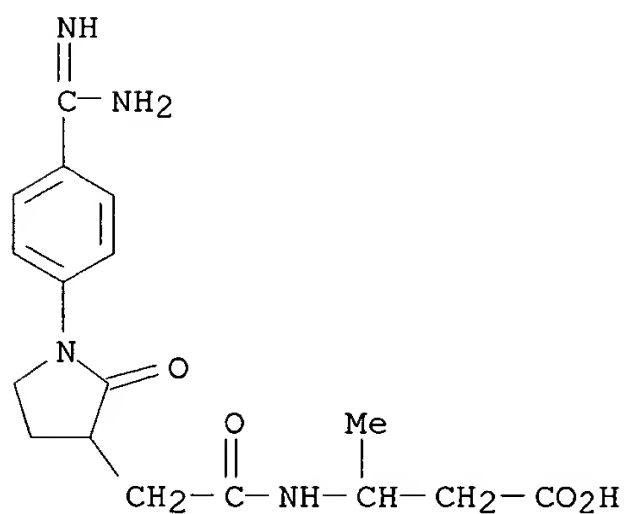
RN 167833-26-3 CAPLUS

CN Butanoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-25-2

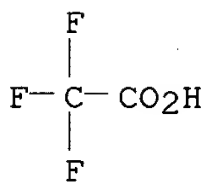
CMF C17 H22 N4 O4



CM 2

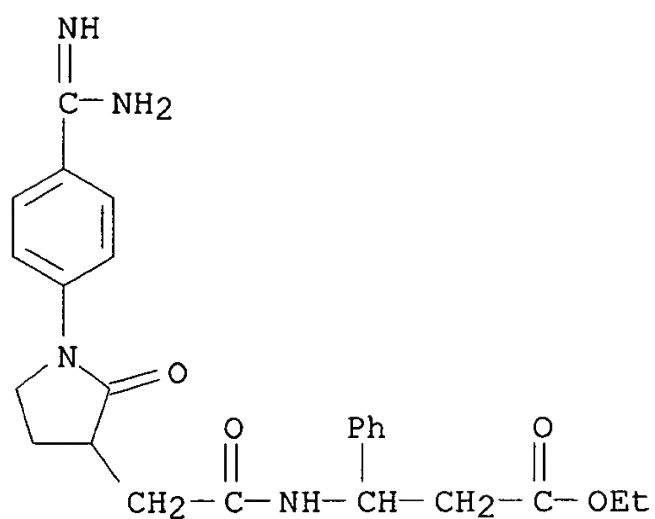
CRN 76-05-1

CMF C2 H F3 O2



RN 167833-27-4 CAPLUS

CN Benzenepropanoic acid, .beta.-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



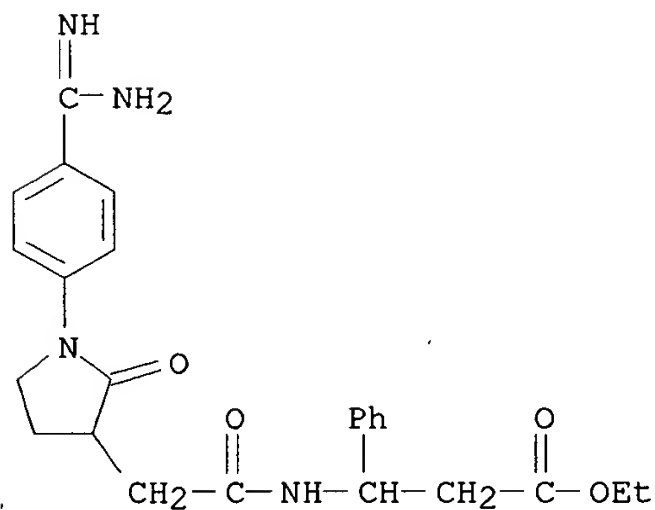
RN 167833-28-5 CAPLUS

CN Benzenepropanoic acid, .beta.-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI)  
(CA INDEX NAME)

CM 1

CRN 167833-27-4

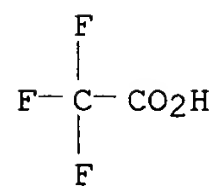
CMF C24 H28 N4 O4



CM 2

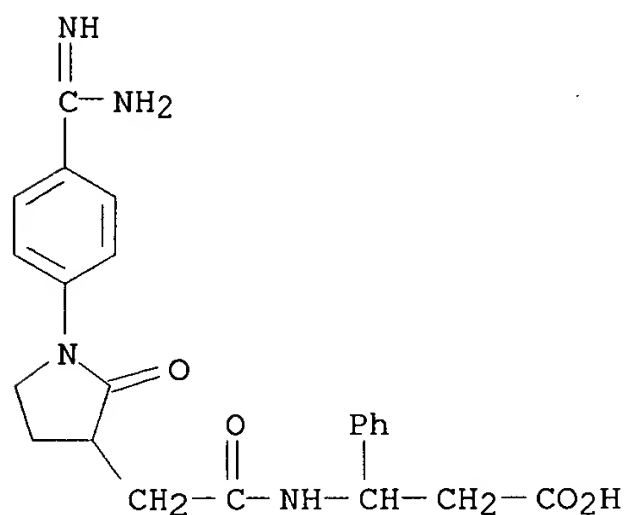
CRN 76-05-1

CMF C2 H F3 O2



RN 167833-29-6 CAPLUS

CN Benzenepropanoic acid, .beta.-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]- (9CI) (CA INDEX NAME)



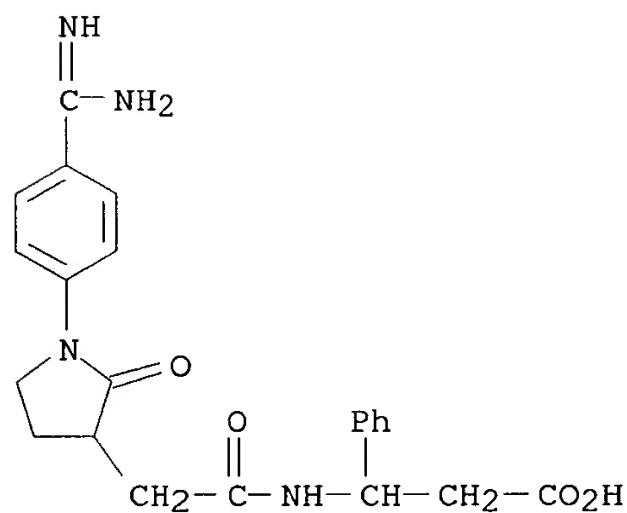
RN 167833-30-9 CAPLUS

CN Benzenepropanoic acid, .beta.-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-29-6

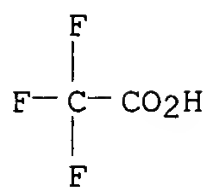
CMF C22 H24 N4 O4



CM 2

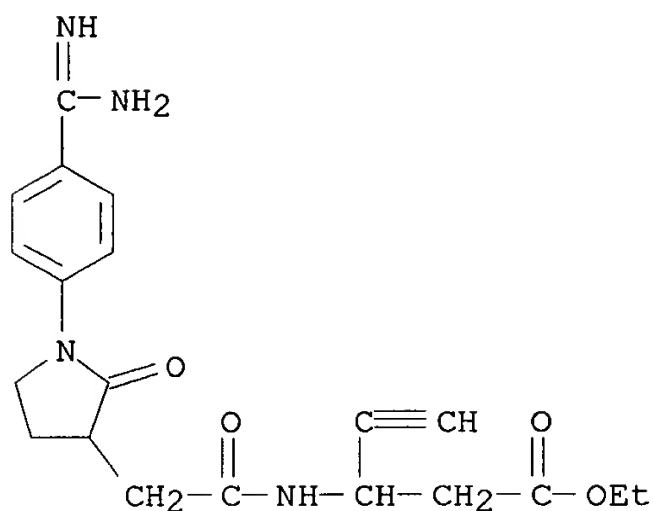
CRN 76-05-1

CMF C2 H F3 O2



RN 167833-31-0 CAPLUS

CN 4-Pentynoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



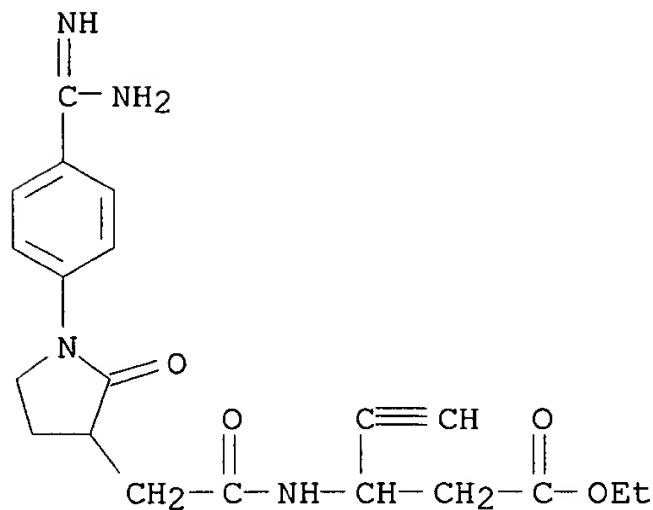
RN 167833-32-1 CAPLUS

CN 4-Pentynoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

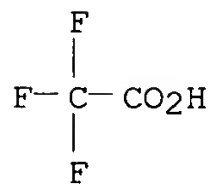
CRN 167833-31-0

CMF C20 H24 N4 O4

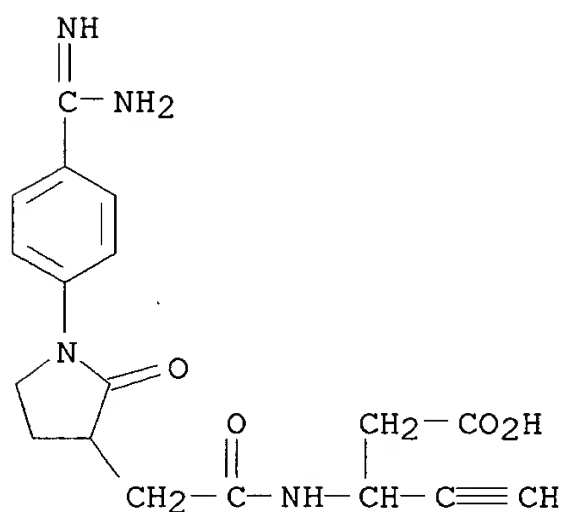


CM 2

CRN 76-05-1  
CMF C2 H F3 O2



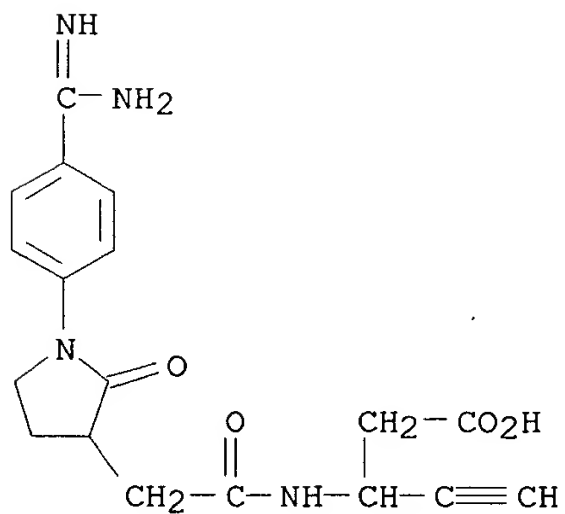
RN 167833-33-2 CAPLUS  
CN 4-Pentynoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]- (9CI) (CA INDEX NAME)



RN 167833-34-3 CAPLUS  
CN 4-Pentynoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

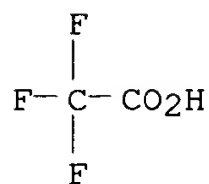
CRN 167833-33-2  
CMF C18 H20 N4 O4



CM 2

CRN 76-05-1

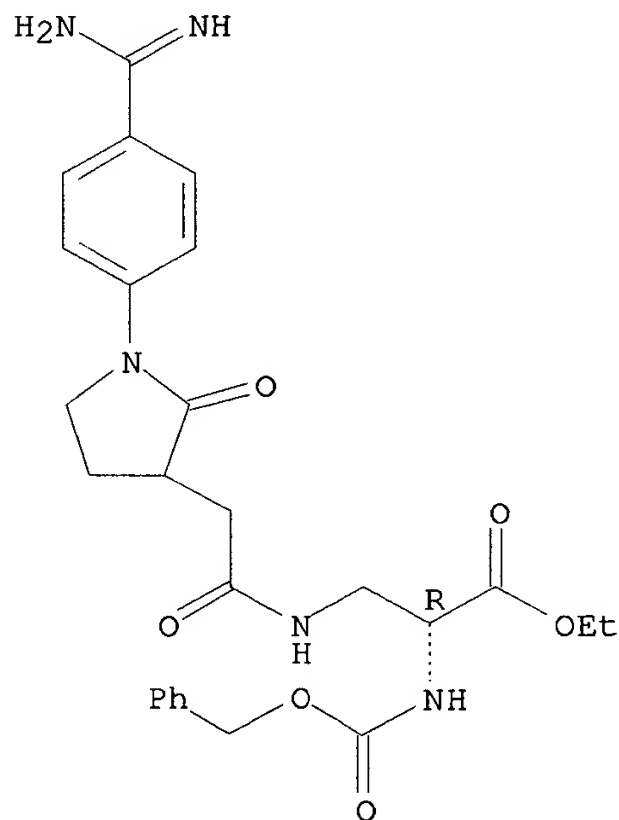
CMF C2 H F3 O2



RN 167833-35-4 CAPLUS

CN L-Alanine, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-N-[(phenylmethoxy)carbonyl]-, ethyl ester (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.



RN 167833-36-5 CAPLUS

CN L-Alanine, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-N-[(phenylmethoxy)carbonyl]-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

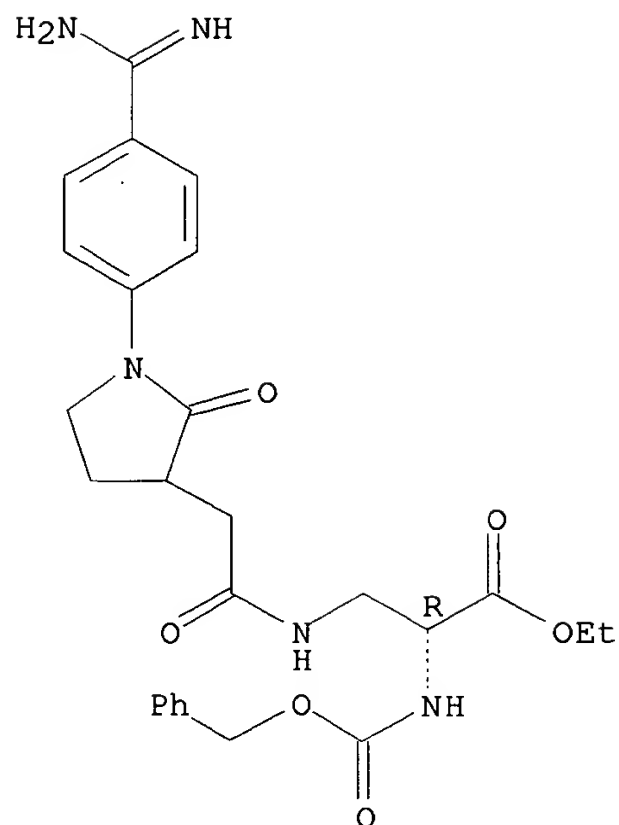
CM 1

CRN 167833-35-4

CMF C26 H31 N5 O6

CDES 5:L

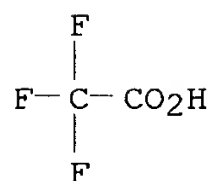
Absolute stereochemistry.



CM 2

CRN 76-05-1

CMF C2 H F3 O2

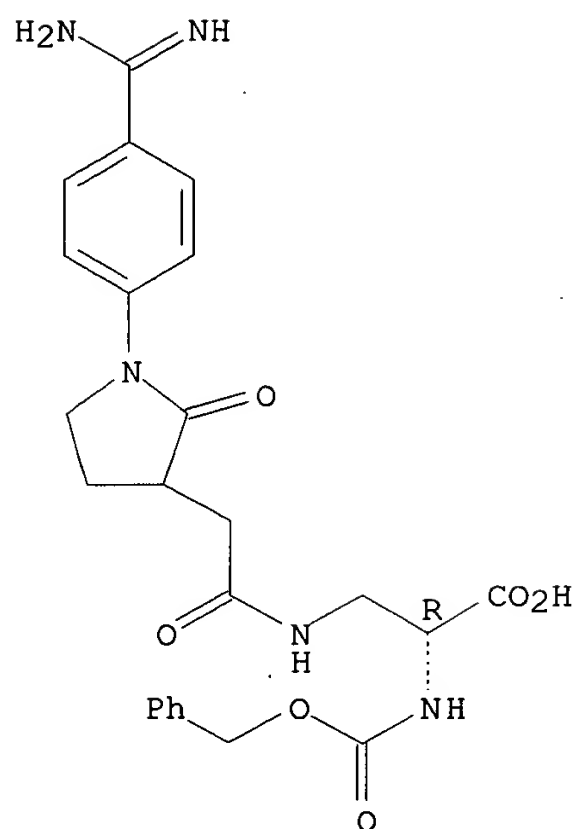


RN 167833-37-6 CAPLUS

CN L-Alanine, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-N-[(phenylmethoxy)carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.





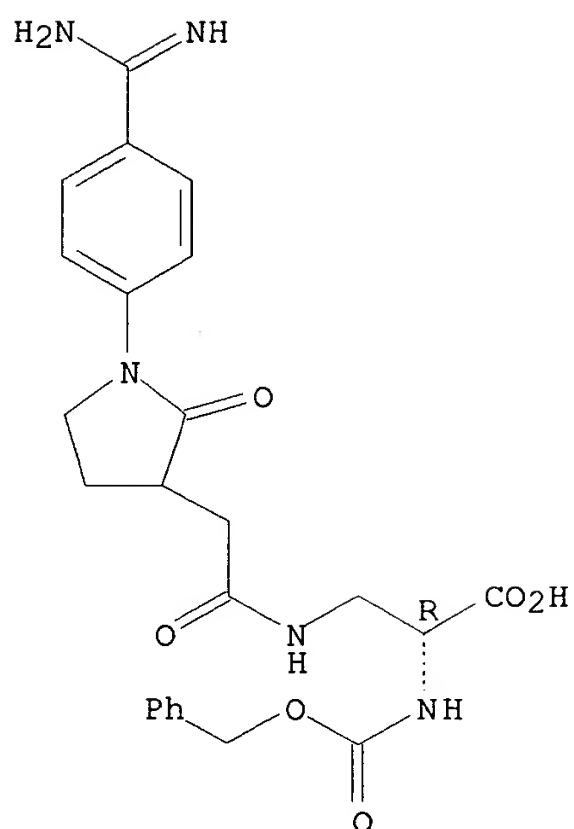
RN 167833-38-7 CAPLUS

CN L-Alanine, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-N-[(phenylmethoxy)carbonyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-37-6  
CMF C24 H27 N5 O6  
CDES 5:L

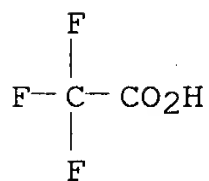
Absolute stereochemistry.



CM 2

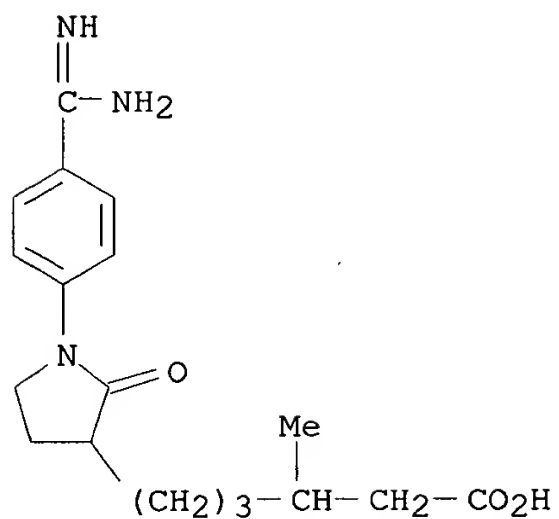
CRN 76-05-1

CMF C2 H F3 O2



RN 167833-41-2 CAPLUS

CN 3-Pyrrolidinehexanoic acid, 1-[4-(aminoiminomethyl)phenyl]-.beta.-methyl-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

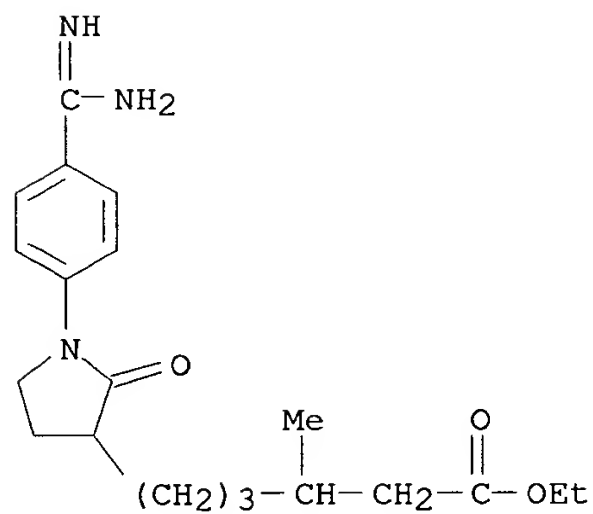
RN 167833-43-4 CAPLUS

CN 3-Pyrrolidinehexanoic acid, 1-[4-(aminoiminomethyl)phenyl]-.beta.-methyl-2-oxo-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-42-3

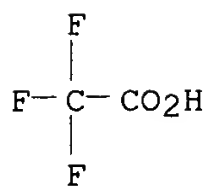
CMF C20 H29 N3 O3



CM 2

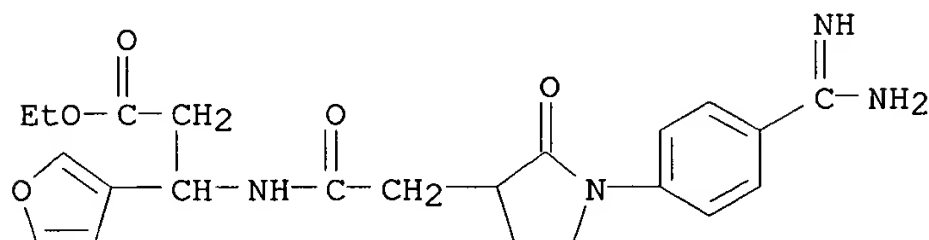
CRN 76-05-1

CMF C2 H F3 O2



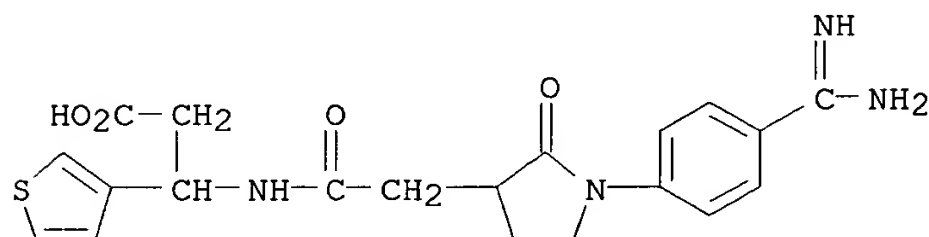
RN 167833-90-1 CAPLUS

CN 3-Furanpropanoic acid, .beta.-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 167833-91-2 CAPLUS

CN 3-Thiophenepropanoic acid, .beta.-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]- (9CI) (CA INDEX NAME)



IT 167833-96-7P 167833-97-8P 167833-98-9P

167834-03-9P 167834-04-0P 167834-05-1P

167834-06-2P 167834-14-2P 167834-15-3P

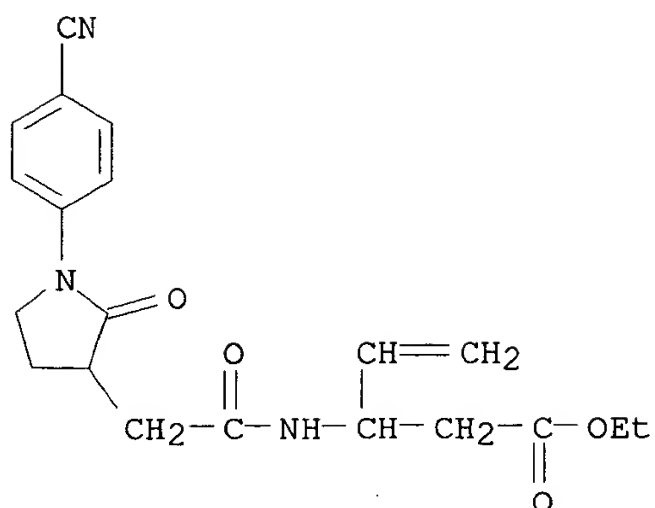
167834-27-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)

(prepn. of N-[1-(4-amidinophenyl)-2-oxo-3-pyrrolidinyl- and  
-piperidinylacetyl]aminoalkanoates as platelet aggregation inhibitors)

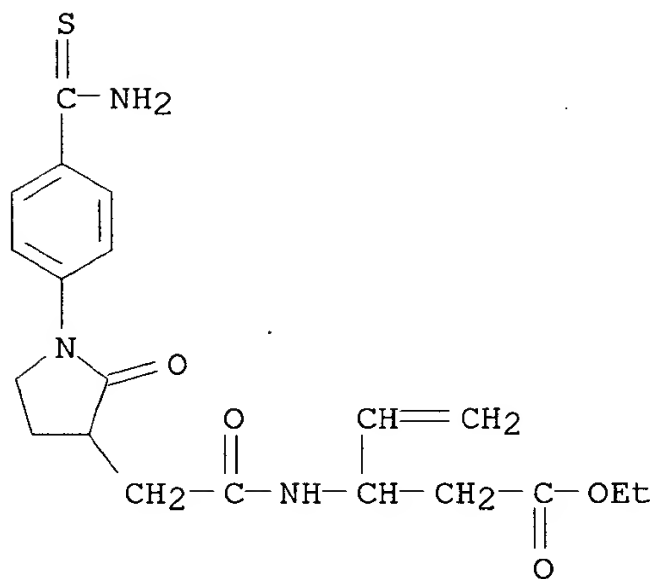
RN 167833-96-7 CAPLUS

CN 4-Pentenoic acid, 3-[[[1-(4-cyanophenyl)-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



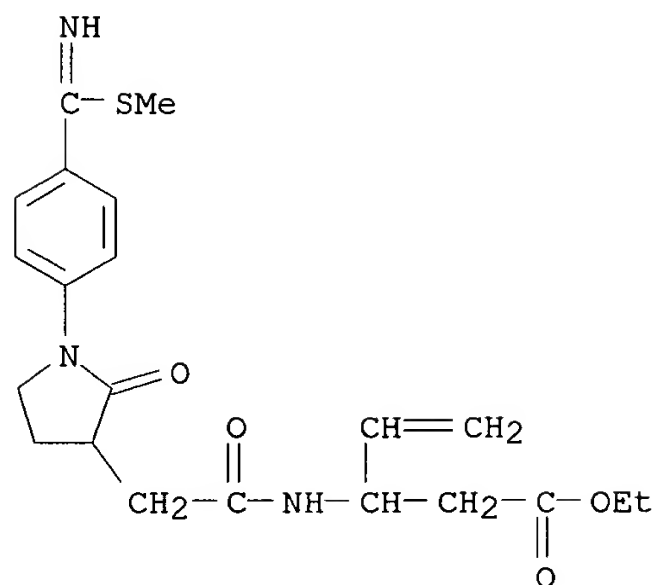
RN 167833-97-8 CAPLUS

CN 4-Pentenoic acid, 3-[[[1-[4-(aminothioxomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 167833-98-9 CAPLUS

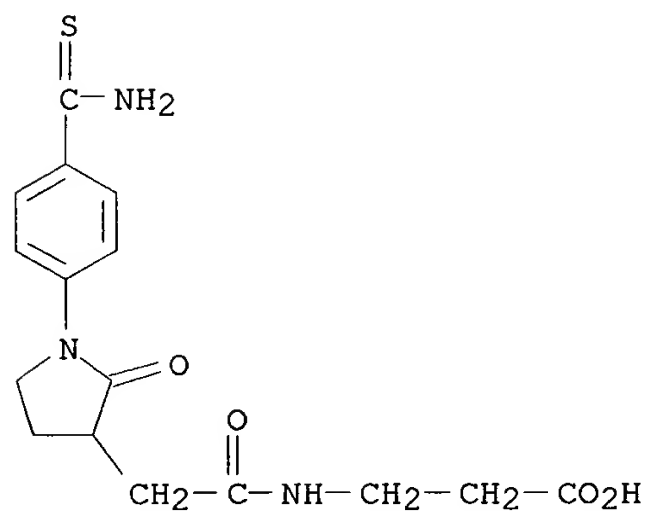
CN 4-Pentenoic acid, 3-[[[1-[4-[imino(methylthio)methyl]phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester, monohydriodide (9CI) (CA INDEX NAME)



● HI

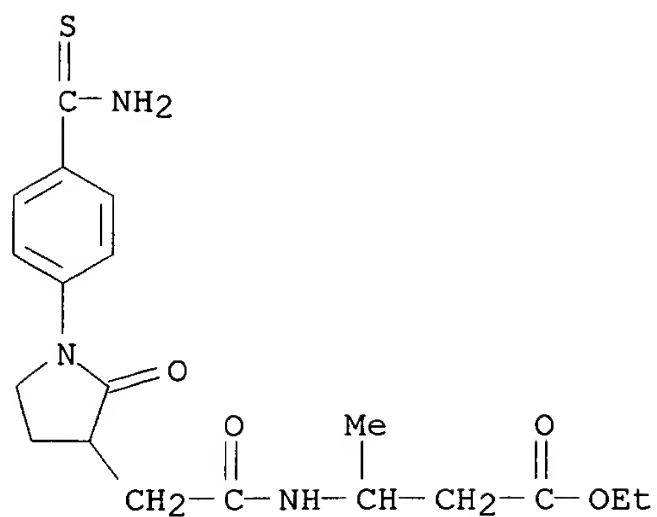
RN 167834-03-9 CAPLUS

CN .beta.-Alanine, N-[[1-[4-(aminothioxomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]- (9CI) (CA INDEX NAME)



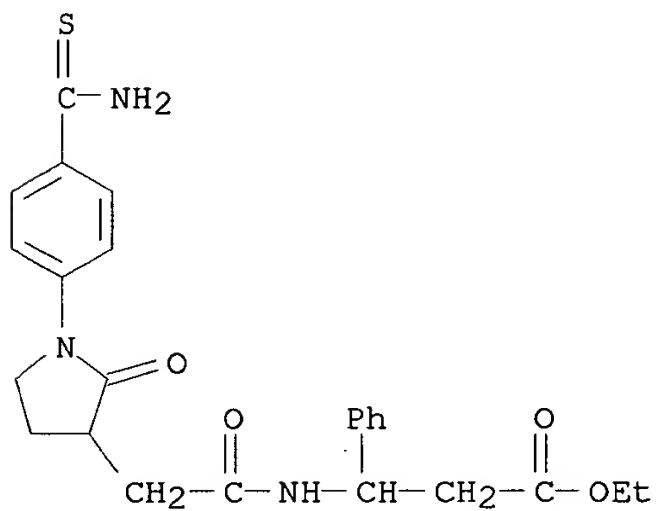
RN 167834-04-0 CAPLUS

CN Butanoic acid, 3-[[[1-[4-(aminothioxomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 167834-05-1 CAPLUS

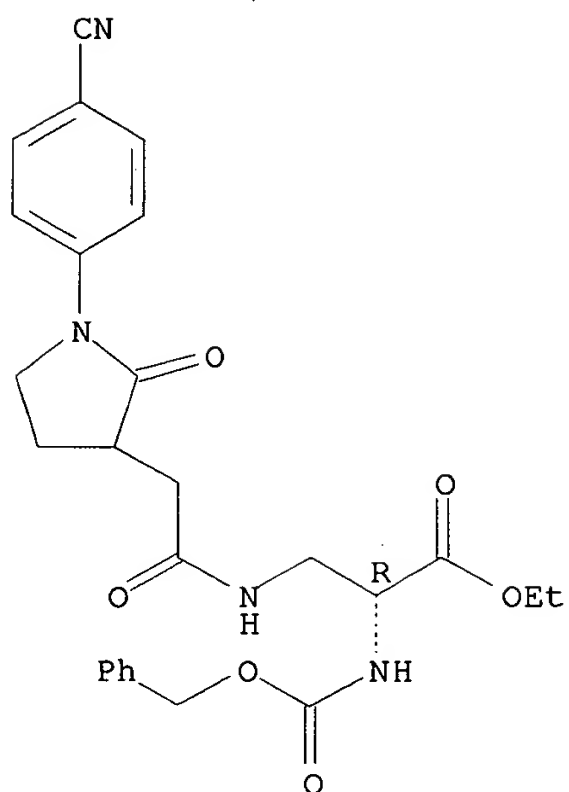
CN Benzenepropanoic acid, .beta.-[[[1-[4-(aminothioxomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 167834-06-2 CAPLUS

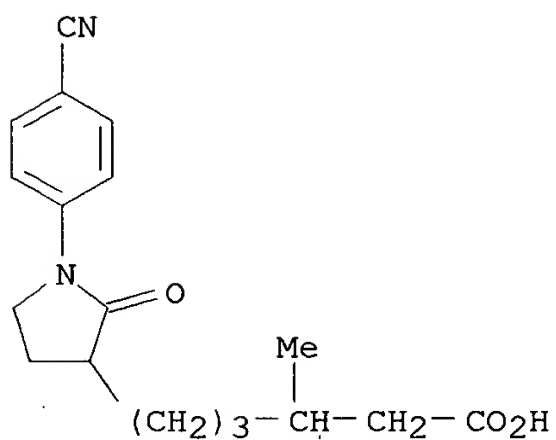
CN L-Alanine, 3-[[[1-(4-cyanophenyl)-2-oxo-3-pyrrolidinyl]acetyl]amino]-N-[(phenylmethoxy)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 167834-14-2 CAPLUS

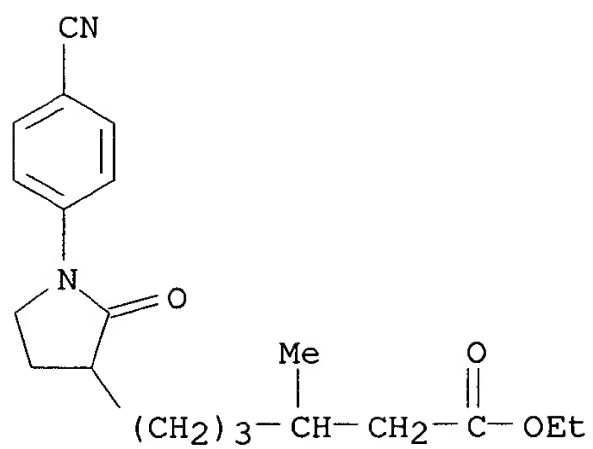
CN 3-Pyrrolidinehexanoic acid, 1-(4-cyanophenyl)-.beta.-methyl-2-oxo- (9CI)  
(CA INDEX NAME)



RN 167834-15-3 CAPLUS

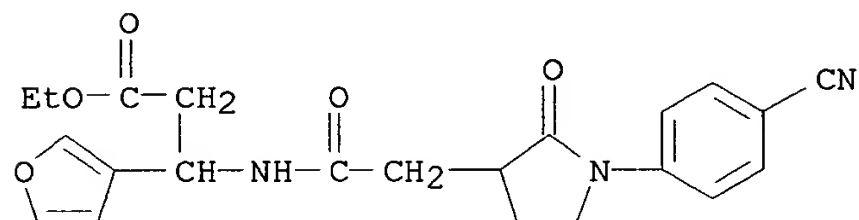
CN 3-Pyrrolidinehexanoic acid, 1-(4-cyanophenyl)-.beta.-methyl-2-oxo-, ethyl  
ester (9CI) (CA INDEX NAME)



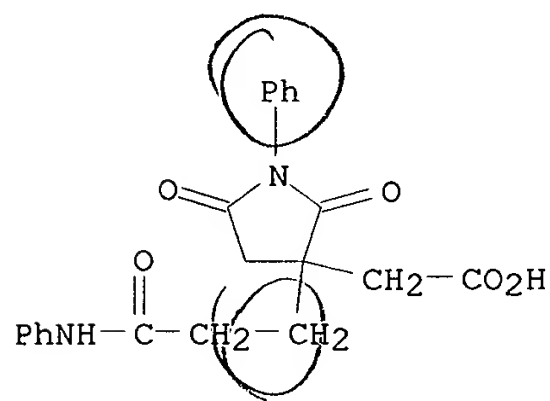


RN 167834-27-7 CAPLUS

CN 3-Furanpropanoic acid, .beta.-[[[1-(4-cyanophenyl)-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 10 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1994:435231 CAPLUS  
 DN 121:35231  
 TI Highly-sophisticated utilization of itaconic anhydride. I. Syntheses of unsymmetric tetracarboxylic acid derivatives having a quaternary carbon and formation of carbamoyl-substituted imides by the reaction with primary amines  
 AU Kiso, Kazuki; Sato, Toru; Yashiro, Morio; Takayama, Toshio; Shiraishi, Shinsaku  
 CS Inst. Ind. Sci., Univ. Tokyo, Tokyo, 106, Japan  
 SO Nippon Kagaku Kaishi (1994), (2), 135-9  
 CODEN: NKAJB8; ISSN: 0369-4577  
 DT Journal  
 LA Japanese  
 OS CASREACT 121:35231  
 AB The unsym. tetracarboxylic acid I was prepd. by by nitric acid oxidn. of the Diels-Alder adduct of itaconic anhydride and butadiene. Dehydration of I with acetic anhydride gave only monoanhydride, 2-(2-carboxyethyl)-2-(carboxymethyl)succinic anhydride, which was converted to bis(chlorocarbonyl)-substituted anhydride by using PCl<sub>5</sub>. Reaction of the latter compd. with primary amines RNH<sub>2</sub> (R = Ph, Et) gave unexpected carbamoyl-substituted imides II, while reaction with a secondary amine such as N-methylaniline or dimethylamine gave bis(carbamoyl)-substituted anhydride. The mechanism of the formation of II was discussed.  
 IT **155626-64-5P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 155626-64-5 CAPLUS  
 CN 3-Pyrrolidineacetic acid, 2,5-dioxo-3-[3-oxo-3-(phenylamino)propyl]-1-phenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2002 ACS

AN 1992:448327 CAPLUS

DN 117:48327

TI Preparation of 3,5-dihydroxy-7-(5-oxo-2-pyrrolidinyl)heptanoates and analogs are HMG-CoA reductase inhibitors

IN Varma, Ravi K.; Gordon, Eric M.; Chao, Sam T.

PA Squibb, E. R., and Sons, Inc., USA

SO U.S., 30 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5049577	A	19910917	US 1990-471461	19900129

OS MARPAT 117:48327

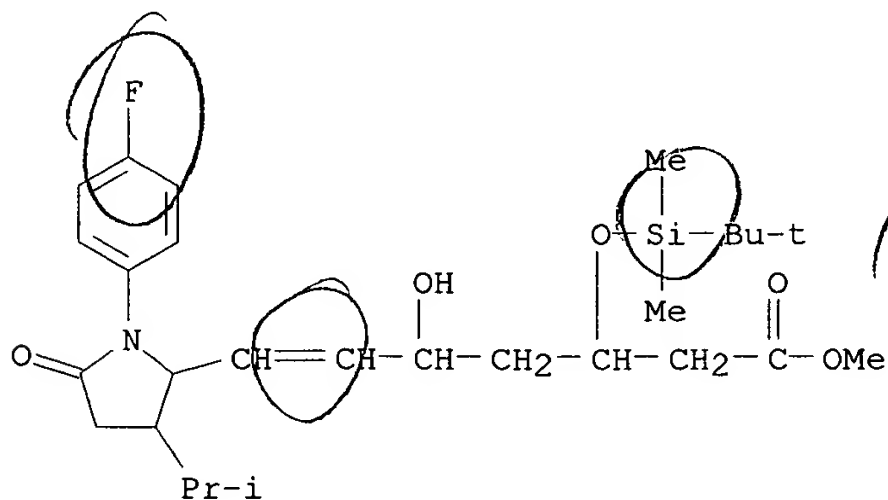
AB The title compds. [I; R1 = H, alkyl, alkenyl, (un)substituted aryl; 1 of R2, R3 = H and the other H, alkyl, alkenyl, (un)substituted aryl; or R2R3 = atoms to complete (un)substituted cycloalkyl, -alkenyl; X = alkylene, alkenylene, alkynylene; Z = (3R,5S)-CH(OH)CH2CH(OH)CH2CO2R4 or lactone deriv. thereof] were prepd. as HMG-CoA reductase inhibitors (no data). Thus, MeCONHCH(CO2Et)2 was cyclocondensed with MeCH:CHCO2Et and the product converted in 4 steps to pyrrolidonecarboxaldehyde trans- and cis-II (R = CHO) the latter of which was condensed with (R)-(MeO)2P(O)CH2COCH2CH(OSiMe2CMe2CMe3)CH2CO2Me to give, after deprotection and redn., (3R, 5S, 6E, cis)-II [R = CH:CHCH(OH)CH2CH(OH)CH2CO2Me].

IT 138940-84-8P 138940-85-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and reaction of, in prepn. HMG-CoA reductase inhibitors)

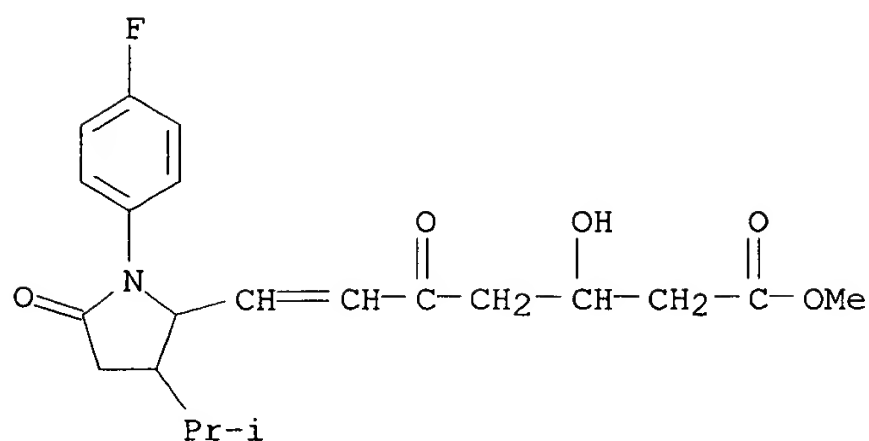
RN 138940-84-8 CAPLUS

CN 6-Heptenoic acid, 3-[[1-(1,1-dimethylethyl)dimethylsilyl]oxy]-7-[1-(4-fluorophenyl)-3-(1-methylethyl)-5-oxo-2-pyrrolidinyl]-5-hydroxy-, methyl ester (9CI) (CA INDEX NAME)



RN 138940-85-9 CAPLUS

CN 6-Heptenoic acid, 7-[1-(4-fluorophenyl)-3-(1-methylethyl)-5-oxo-2-pyrrolidinyl]-3-hydroxy-5-oxo-, methyl ester (9CI) (CA INDEX NAME)

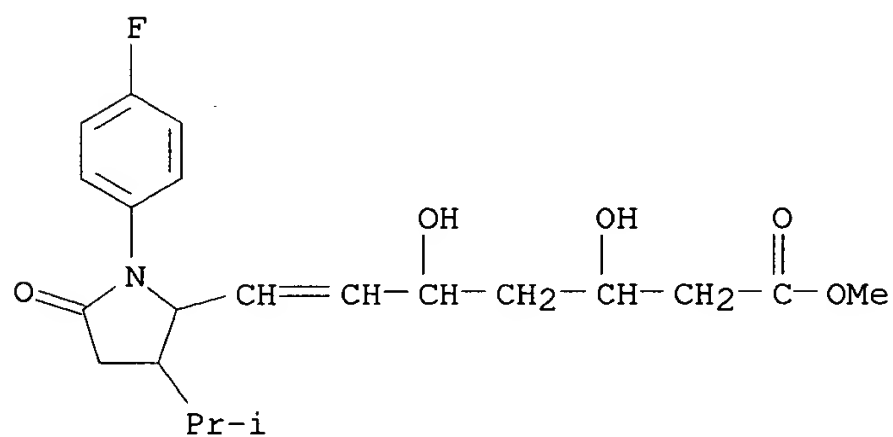


IT **138940-86-0P**

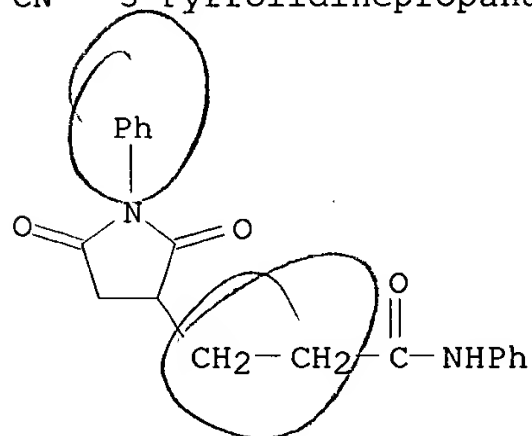
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of, as HMG-CoA reductase inhibitor)

RN 138940-86-0 CAPLUS

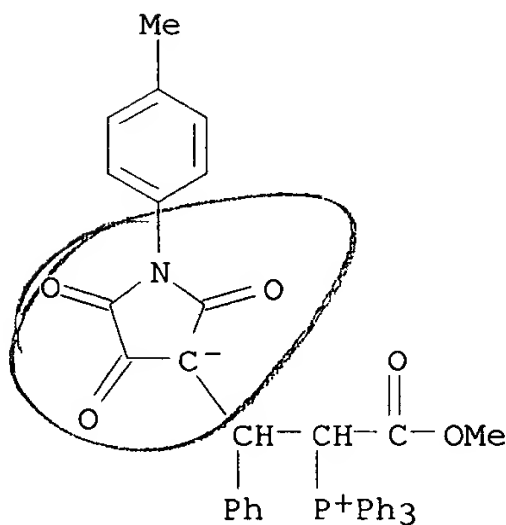
CN 6-Heptenoic acid, 7-[1-(4-fluorophenyl)-3-(1-methylethyl)-5-oxo-2-pyrrolidinyl]-3,5-dihydroxy-, methyl ester (9CI) (CA INDEX NAME)



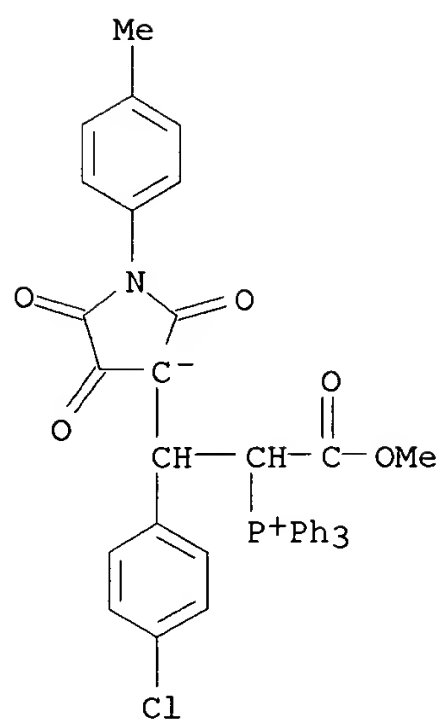
L7 ANSWER 12 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1991:206698 CAPLUS  
 DN 114:206698  
 TI Nickel(0)-induced and -catalyzed preparation of unsaturated adipic acid anilides  
 AU Hoberg, Heinz; Baerhausen, Dieter  
 CS Max-Planck-Inst. Kohlenforsch., Muelheim an der Ruhr, W-4330, Fed. Rep. Ger.  
 SO J. Organomet. Chem. (1991), 403(3), 401-9  
 CODEN: JORCAI; ISSN: 0022-328X  
 DT Journal  
 LA German  
 OS CASREACT 114:206698  
 AB 4-Pentenecarboxylic acid anilide (I), which can readily be prepd. catalytically from ethene and Ph isocyanate (II), further reacts with II on ligand-nickel(0)-systems in a highly regioselective reaction to form triphenylphosphine-5-azanickelcyclopentan-4-one (IV). Protonolysis of IV leads to adipic acid anilide. When IV is treated with maleic acid anhydride at 20.degree., a .beta.'-H-elimination is induced because the hydrolysis gives the sym. 3-hexenedicarboxylic acid dianilide with high selectivity. The catalytic reaction of I and II on a ligand-nickel(0)-complex (ligand = tricyclohexyl phosphite) involves a .beta.-H-elimination to yield 2-hexenedicarboxylic acid dianilide. This makes it possible to produce adipic acid derivs. catalytically in a 2 step synthesis from ethene and Ph isocyanate. The mechanisms and special features are discussed.  
 IT **133693-01-3P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 133693-01-3 CAPLUS  
 CN 3-Pyrrolidinepropanamide, 2,5-dioxo-N,1-diphenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1989:407246 CAPLUS  
 DN 111:7246  
 TI Reactions of (Z/E)-1-aryl-4-arylmethylenepyrrolidine-2,3,5-triones with active methylene compounds  
 AU Augustin, M.; Jeschke, P.  
 CS Sekt. Chem., Martin-Luther-Univ., Halle/Saale, Ger. Dem. Rep.  
 SO J. Prakt. Chem. (1987), 329(4), 637-48  
 CODEN: JPCEAO; ISSN: 0021-8383  
 DT Journal  
 LA German  
 OS CASREACT 111:7246  
 AB Cyclization of arylmethylenepyrrolidinetrienes I (R = Ph, C<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-3; R<sub>1</sub> = p-tolyl) with CH<sub>2</sub>(CN)<sub>2</sub> led to the corresponding 2-amino-3-cyano-4H-pyrans II. Stable phosphorus-contg. compds. III (R = Ph, C<sub>6</sub>H<sub>4</sub>X-4, X = NO<sub>2</sub>, Cl, R<sub>1</sub> = p-tolyl) were prepd. by Michael type addn. between Ph<sub>3</sub>P:CHCO<sub>2</sub>Me and I. From (Z/E)-I and dimedone or 2-hydroxymaleimide, Michael adducts (e.g., IV; R<sub>2</sub> = H, R and R<sub>1</sub> same) were obtained, which were converted into IV (R<sub>2</sub> = Me) by alkylation with CH<sub>2</sub>N<sub>2</sub> or gave different types of heterocycles, e.g., V, depending on the reaction conditions. Cyclocondensation of (Z/E)-I with cycloalkanones in the presence of NH<sub>4</sub>OAc formed 4-aryl-1,4-dihydrocycloalkeno[b]pyridines. Bicyclic 1,4-dihydropyridine derivs. e.g., VI, which easily undergo oxidn. with CrO<sub>3</sub> or air oxygen, were intermediates in the formation of the corresponding heteroarom. compds.  
 IT **121008-04-6P 121008-05-7P 121008-06-8P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 121008-04-6 CAPLUS  
 CN Phosphonium, [1-(methoxycarbonyl)-2-[1-(4-methylphenyl)-2,4,5-trioxo-3-pyrrolidinyl]-2-phenylethyl]triphenyl-, inner salt (9CI) (CA INDEX NAME)

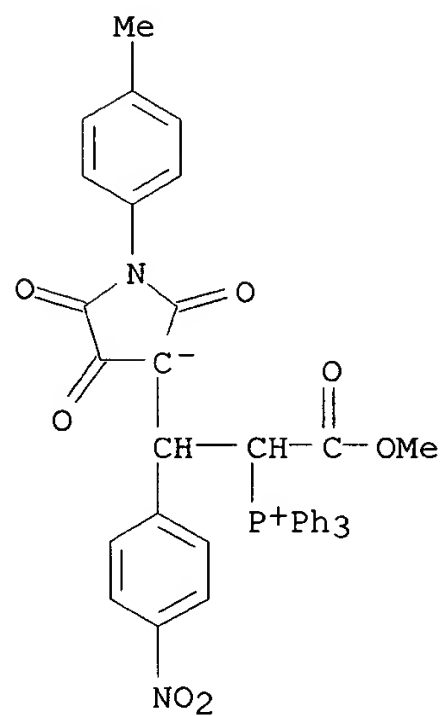


RN 121008-05-7 CAPLUS  
 CN Phosphonium, [2-(4-chlorophenyl)-1-(methoxycarbonyl)-2-[1-(4-methylphenyl)-2,4,5-trioxo-3-pyrrolidinyl]ethyl]triphenyl-, inner salt (9CI) (CA INDEX NAME)

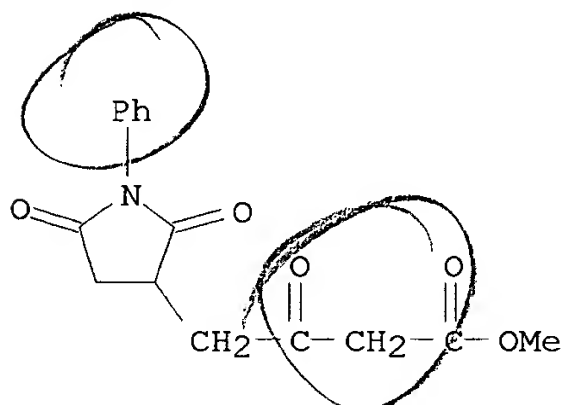


RN 121008-06-8 CAPLUS

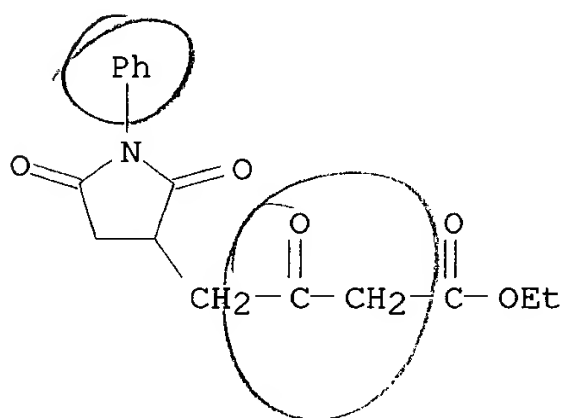
CN Phosphonium, [1-(methoxycarbonyl)-2-[1-(4-methylphenyl)-2,4,5-trioxo-3-pyrrolidinyl]-2-(4-nitrophenyl)ethyl]triphenyl-, inner salt (9CI) (CA INDEX NAME)



L7 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1982:122560 CAPLUS  
 DN 96:122560  
 TI Studies on ketene and its derivatives. CVI. Photoreaction of diketene with N-phenylmaleimide and dimethyl-N-phenylmaleimide  
 AU Chiba, Takuo; Tsuchiya, Susumu; Kato, Tetsuzo  
 CS Pharm. Inst., Tohoku Univ., Sendai, 980, Japan  
 SO Chem. Pharm. Bull. (1981), 29(12), 3715-20  
 CODEN: CPBTAL; ISSN: 0009-2363  
 DT Journal  
 LA English  
 AB Photoreaction of diketene with N-phenylmaleimide and its di-Me deriv. gave (4R,5S,6S)- and (4R,5R,6R)-2-oxo-1-oxaspiro[3.3]heptane-5,6-dicarboximides I (R = H, Me), resp. Alcoholysis of I (R = H) with alc. HCl gave 5-alkoxycarbonyl-4-oxo-N-phenyl-1,2-pentanedicarboximides II (R1 = Me, Et) which were transformed to the corresponding 5-alkoxycarbonyl-3-oxoheptanedioates by further alcoholysis. I were hydrolyzed with 10% HCl to give 3-carboxy-5-oxohexanoic acid. Thermolysis of compds. I gave 3-methylenecyclobutane-1,2-dicarboximide (III).  
 IT **81109-52-6P 81109-53-7P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 81109-52-6 CAPLUS  
 CN 3-Pyrrolidinebutanoic acid, .beta.,2,5-trioxo-1-phenyl-, methyl ester (9CI) (CA INDEX NAME)



RN 81109-53-7 CAPLUS  
 CN 3-Pyrrolidinebutanoic acid, .beta.,2,5-trioxo-1-phenyl-, ethyl ester (9CI)  
 (CA INDEX NAME)





L7 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1981:141322 CAPLUS  
 DN 94:141322  
 TI Electric insulator coatings  
 PA Showa Electric Wire and Cable Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF

DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 55137173	A2	19801025	JP 1979-45847	19790413
	JP 57021536	B4	19820508		

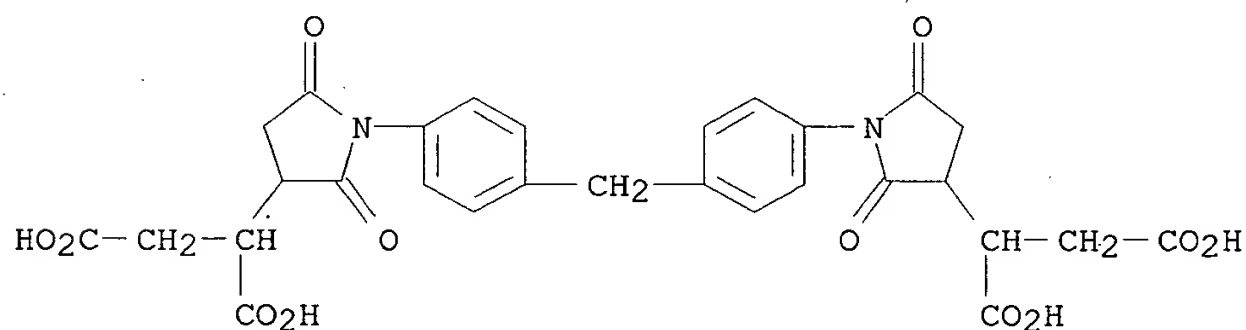
AB Elec. insulating coatings are prepd. from aq. solns. of dicarboxylate-terminated polyester-polyimides with d.p. 1-6. Thus, polymg. imide I [76135-55-2] [prepd. from 1,2,3,4-butanetetracarboxylic acid [1703-58-8] and CH<sub>2</sub>(C<sub>6</sub>H<sub>4</sub>NH<sub>2</sub>-p)<sub>2</sub> [101-77-9]] 0.25, di-Me terephthalate 1, HOCH<sub>2</sub>CH<sub>2</sub>OH 1.5, and trimethylolpropane 0.5 mol in solvent naphtha at 170.degree. for 4 h to OH no. 180 adding 1 mol trimellitic anhydride over 1 h at 140.degree. gives a polymer [76135-56-3] with acid no. 90. The polymer was dissolved with HOCH<sub>2</sub>CH<sub>2</sub>NH<sub>2</sub> in water to give a 38%-solids soln. (pH 6.5) which is mixed with 0.3 phr polyethylene glycol and 0.2 phr triethanolamine titanate and baked on Cu wire at 350-400.degree. to give an 0.05-mm pinhole-free insulation with softening temp. 346.degree., breakdown voltage 11.1 kV, and good flexibility and abrasion and thermal shock resistance.

IT 76135-55-2P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)

RN 76135-55-2 CAPLUS

CN Butanedioic acid, 2,2'-[methylenebis[4,1-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)]]bis- (9CI) (CA INDEX NAME)



IT 76135-56-3

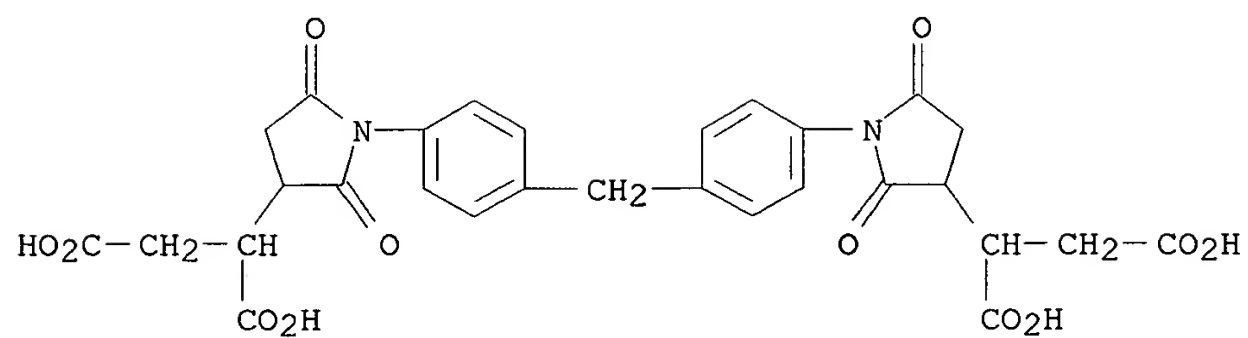
RL: USES (Uses)  
 (wire enamel, water-thinned)

RN 76135-56-3 CAPLUS

CN 1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 1,3-dihydro-1,3-dioxo-5-isobenzofurancarboxylic acid, 1,2-ethanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 2,2'-[methylenebis[4,1-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)]]bis[butanedioic acid] (9CI) (CA INDEX NAME)

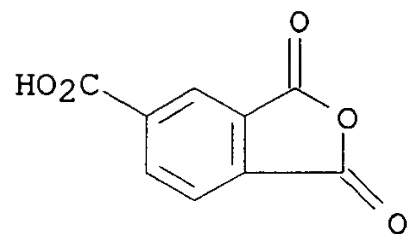
CM 1

CRN 76135-55-2  
CMF C29 H26 N2 O12



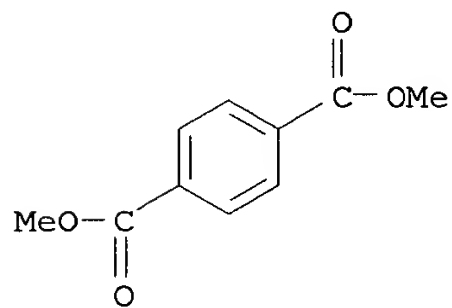
CM 2

CRN 552-30-7  
CMF C9 H4 O5



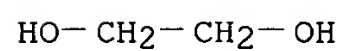
CM 3

CRN 120-61-6  
CMF C10 H10 O4



CM 4

CRN 107-21-1  
CMF C2 H6 O2

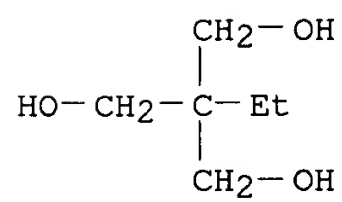


09/732,546

CM 5

CRN 77-99-6

CMF C6 H14 O3



L7 ANSWER 16 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1981:48508 CAPLUS  
 DN 94:48508  
 TI Fusible poly(esterimide) resins  
 PA Showa Electric Wire and Cable Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 55125122	A2	19800926	JP 1979-32920	19790320
	JP 57057089	B4	19821202		

AB The title resins were prepd. by reacting polycarboxylic acid (I) or derivs. 28-49, polyhydric alc. 72-51, and tricarboxylic acid or derivs. contg. II (X and Z = tetra- and divalent org. radicals, resp.; n = 0-5) 5-50 equiv.% (based on I) to give poly(ester imide) of OH value 100-400 and melt viscosity >50 cP at 200.degree., adding a polycarboxylic acid contg. .gtoreq.3 carboxy groups, and heating, giving products which had acid value 40-150 and were useful as insulating coatings for magnet wires. E.g., a mixt. of di-Me terephthalate 1, ethylene glycol 1.5, trimethylpropane 2.5, and II (Z = methylenedi-p-phenylene, X = 1,2,3,4-butanetetrayl) 0.52 mL in naphtha was heated 4 h at 170.degree. to give a polyimide resin of OH value 180. Reducing the temp. to 140.degree., adding 1 mol trimellitic anhydride, heating 1 h at the same temp., and adding ethylene glycol 15% gave a resin [76135-56-3] soln. having acid value 60.

IT **76135-56-3**

RL: USES (Uses)

(elec. insulating coatings, for magnet wires)

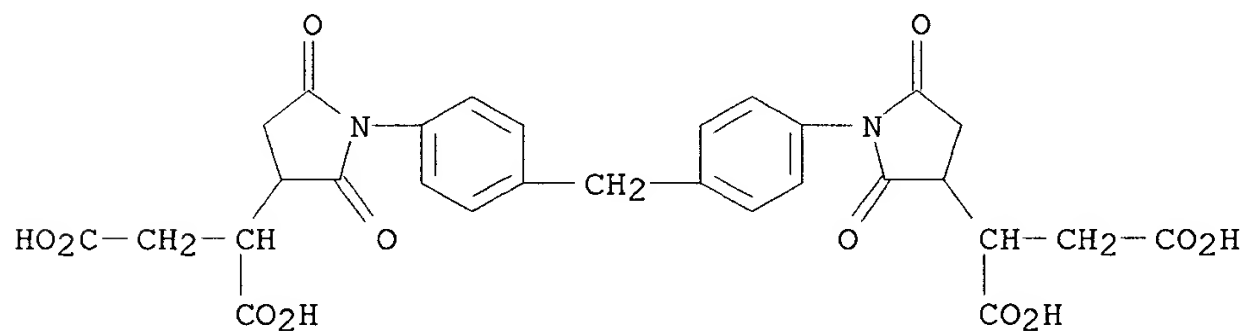
RN 76135-56-3 CAPLUS

CN 1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 1,3-dihydro-1,3-dioxo-5-isobenzofurancarboxylic acid, 1,2-ethanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 2,2'-[methylenebis[4,1-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)]]bis[butanedioic acid] (9CI) (CA INDEX NAME)

CM 1

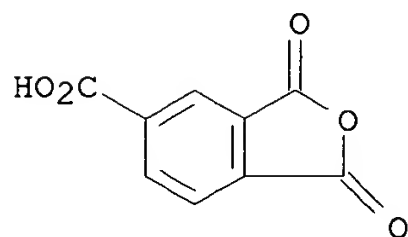
CRN 76135-55-2

CMF C29 H26 N2 O12



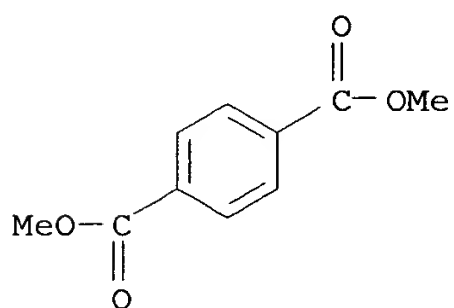
CM 2

CRN 552-30-7  
CMF C9 H4 O5



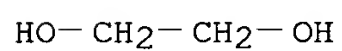
CM 3

CRN 120-61-6  
CMF C10 H10 O4



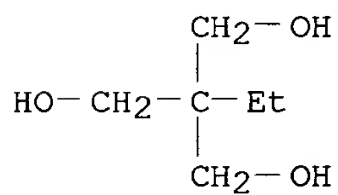
CM 4

CRN 107-21-1  
CMF C2 H6 O2

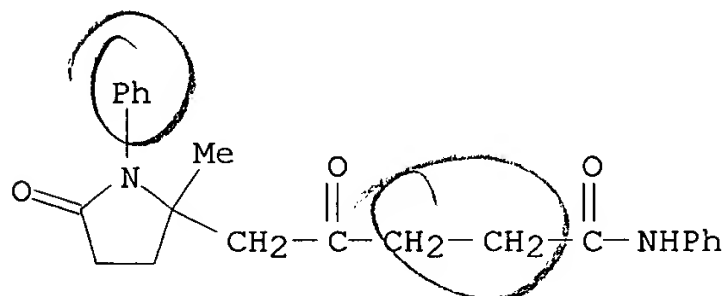


CM 5

CRN 77-99-6  
CMF C6 H14 O3



L7 ANSWER 17 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1979:103792 CAPLUS  
 DN 90:103792  
 TI 1H-1-benzazepines. The reactions of levulinic acid and  
 .beta.-benzoylpropionic acid with aniline and methoxyanilines  
 AU Candeloro, Vincenzo; Bowie, John H.  
 CS Dep. Org. Chem., Univ. Adelaide, Adelaide, Aust.  
 SO Aust. J. Chem. (1978), 31(9), 2031-7  
 CODEN: AJCHAS; ISSN: 0004-9425  
 DT Journal  
 LA English  
 AB Treatment of levulinic acid with PhNH<sub>2</sub> yields 5-methyl-2,3-dihydro-1H-1-  
 benzazepin-2-one and 5-(2-methyl-5-oxo-1-phenylpyrrolidin-2-yl)-4-oxo-N-  
 phenylpentanamide. The reaction between PhCOCH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H and PhNH<sub>2</sub> yields  
 4-(2-oxo-1,5-diphenyl-2,3-dihydropyrrol-3-ylidene)-N-,4-  
 diphenylbutanamide, whose structure is confirmed by an independent  
 synthesis. The yield of the latter type of reaction is enhanced if  
 p-MeOC<sub>6</sub>H<sub>4</sub>NH<sub>2</sub>, is used, whereas the desired benzazepine is obtained if  
 m-MeOC<sub>6</sub>H<sub>4</sub>NH<sub>2</sub> is utilized. For example, the reaction between  
 PhCOCH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>H and m-MeOC<sub>6</sub>H<sub>4</sub>NH<sub>2</sub> yields 8-methoxy-5-phenyl-2,3-dihydro-1H-1-  
 benzazepine-2-one as the major cyclized product.  
 IT **68803-51-0P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 68803-51-0 CAPLUS  
 CN 2-Pyrrolidinepentanamide, 2-methyl-.gamma.,5-dioxo-N,1-diphenyl- (9CI)  
 (CA INDEX NAME)



L7 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1977:567606 CAPLUS  
 DN 87:167606  
 TI Pyrrolidinones  
 IN Linkies, Adolf; Reuschling, Dieter Bernd; Kuehlein, Klaus; Beck, Gerhard;  
 Musil, Josef  
 PA Hoechst A.-G., Ger.  
 SO Ger. Offen., 63 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2557335	A1	19770707	DE 1975-2557335	19751219
	NL 7613875	A	19770621	NL 1976-13875	19761214
	US 4113874	A	19780912	US 1976-751173	19761216
	SE 7614217	A	19770620	SE 1976-14217	19761217
	DK 7605723	A	19770620	DK 1976-5723	19761217
	AU 7620702	A1	19780622	AU 1976-20702	19761217
	JP 52077059	A2	19770629	JP 1976-151500	19761218
	BE 849621	A1	19770620	BE 1976-173442	19761220
	FR 2335218	A1	19770715	FR 1976-38403	19761220
	ES 458555	A1	19790916	ES 1977-458555	19770506
PRAI	DE 1975-2557335		19751219		

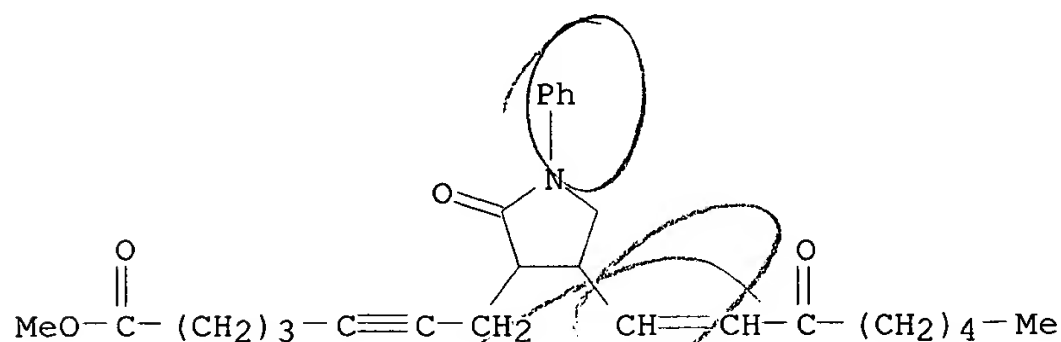
AB Pyrrolidinecarboxylates I [R = H, Ph, 4-(2,4-Cl<sub>2</sub>C<sub>6</sub>H<sub>3</sub>O)C<sub>6</sub>H<sub>4</sub>] were reduced to the alc., protected with dihydropyran, and treated with Cl(CH<sub>2</sub>)<sub>3</sub>C.tplbond.CCH<sub>2</sub>Br and LiN(CHMe<sub>2</sub>)<sub>2</sub> to give II, which after reaction with NaCN and hydrolysis, gave III. III (optionally after partial or complete hydrogenation of the side chain) were oxidized to the aldehyde and subjected to Wittig reaction with the appropriate phosphonate ester to give ketones (e.g., IV), which were reduced to the secondary alcs.

IT **64321-10-4P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and borohydride redn. of)

RN 64321-10-4 CAPLUS

CN 5-Heptynoic acid, 7-[2-oxo-4-(3-oxo-1-octenyl)-1-phenyl-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)

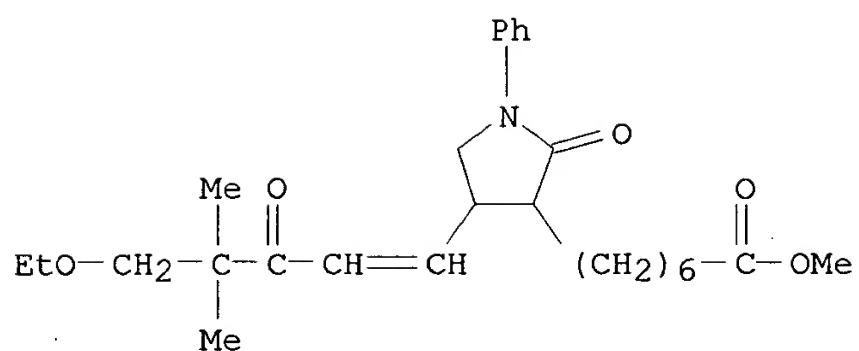


IT **64321-11-5P 64321-12-6P 64321-13-7P**  
**64321-17-1P 64321-18-2P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)

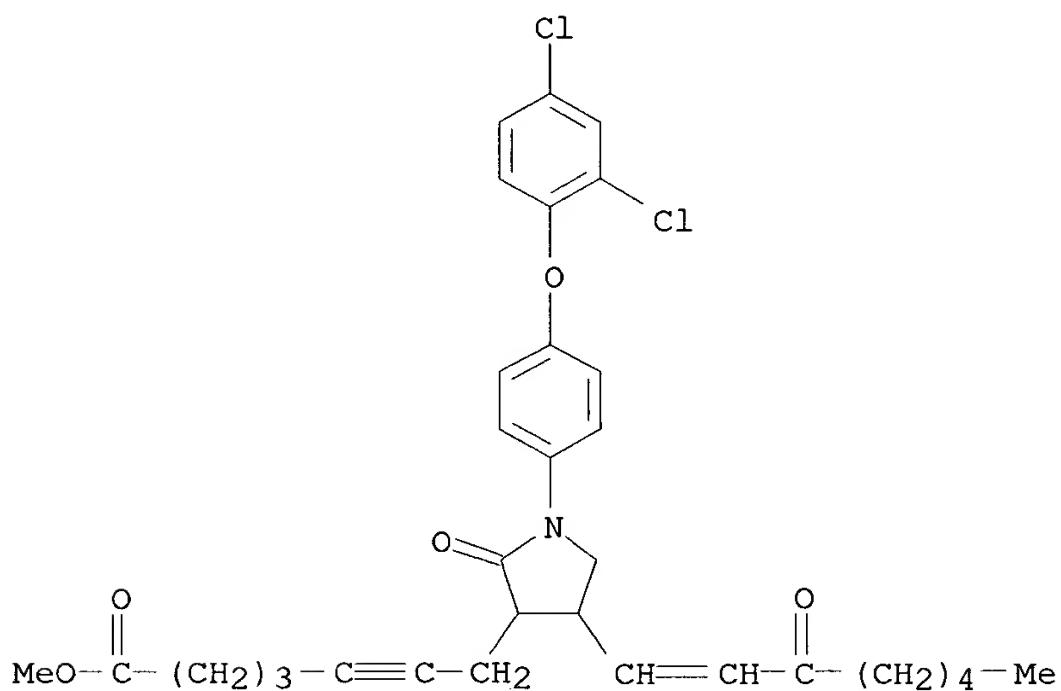
RN 64321-11-5 CAPLUS

CN 3-Pyrrolidineheptanoic acid, 4-(5-ethoxy-4,4-dimethyl-3-oxo-1-pentenyl)-2-oxo-1-phenyl-, methyl ester (9CI) (CA INDEX NAME)



RN 64321-12-6 CAPLUS

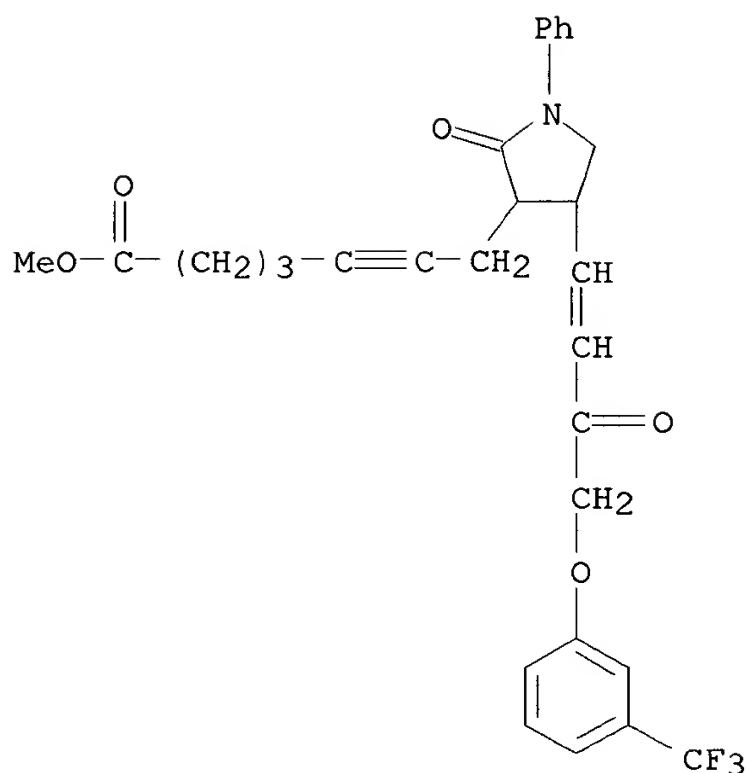
CN 5-Heptynoic acid, 7-[1-[4-(2,4-dichlorophenoxy)phenyl]-2-oxo-4-(3-oxo-1-octenyl)-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 64321-13-7 CAPLUS

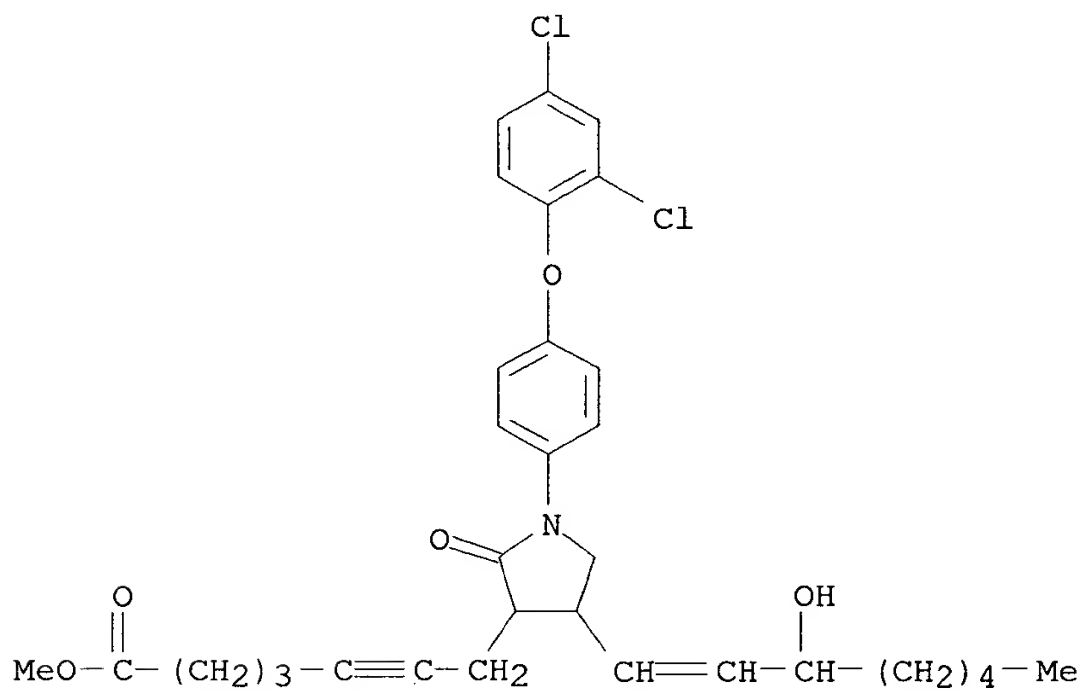
CN 5-Heptynoic acid, 7-[2-oxo-4-[3-oxo-4-[3-(trifluoromethyl)phenoxy]-1-butenyl]-1-phenyl-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)





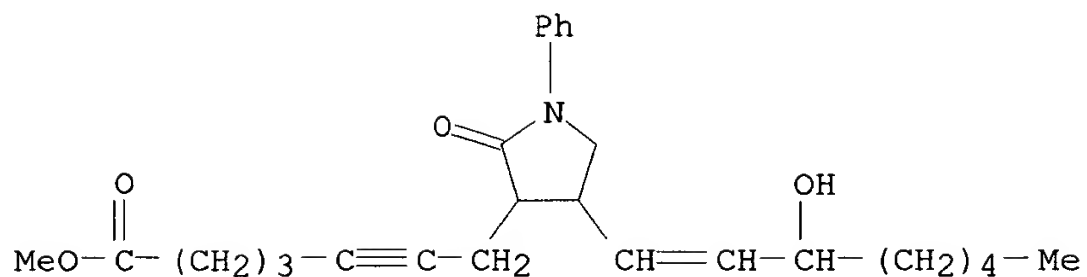
RN 64321-17-1 CAPLUS

CN 5-Heptynoic acid, 7-[1-[4-(2,4-dichlorophenoxy)phenyl]-4-(3-hydroxy-1-octenyl)-2-oxo-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 64321-18-2 CAPLUS

CN 5-Heptynoic acid, 7-[4-(3-hydroxy-1-octenyl)-2-oxo-1-phenyl-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



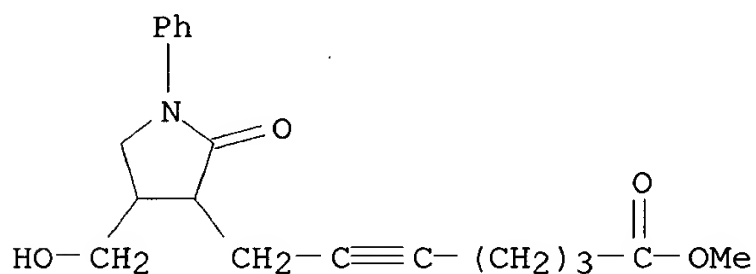
IT 64320-97-4P 64320-98-5P 64321-03-5P  
64321-04-6P 64321-05-7P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, as intermediate in synthesis of prostaglandin analogs)

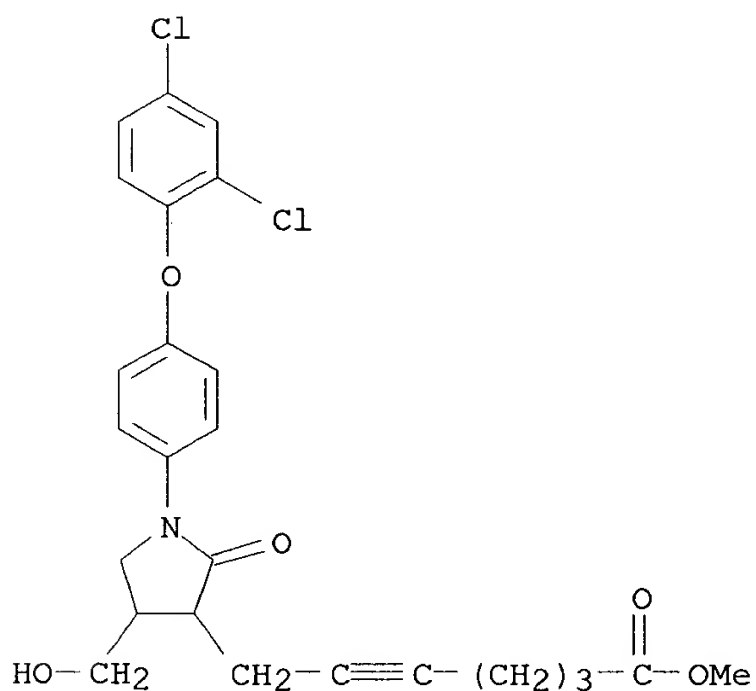
RN 64320-97-4 CAPLUS

CN 5-Heptynoic acid, 7-[4-(hydroxymethyl)-2-oxo-1-phenyl-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



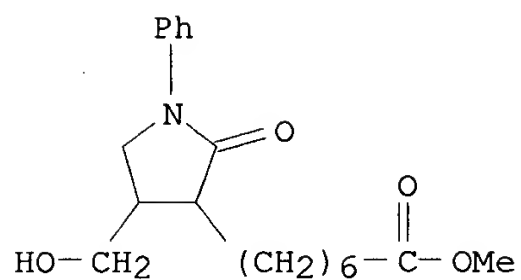
RN 64320-98-5 CAPLUS

CN 5-Heptynoic acid, 7-[1-[4-(2,4-dichlorophenoxy)phenyl]-4-(hydroxymethyl)-2-oxo-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



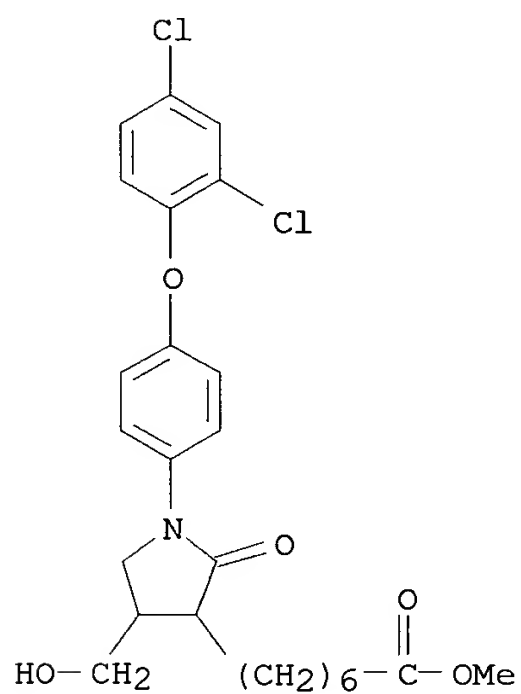
RN 64321-03-5 CAPLUS

CN 3-Pyrrolidineheptanoic acid, 4-(hydroxymethyl)-2-oxo-1-phenyl-, methyl ester (9CI) (CA INDEX NAME)



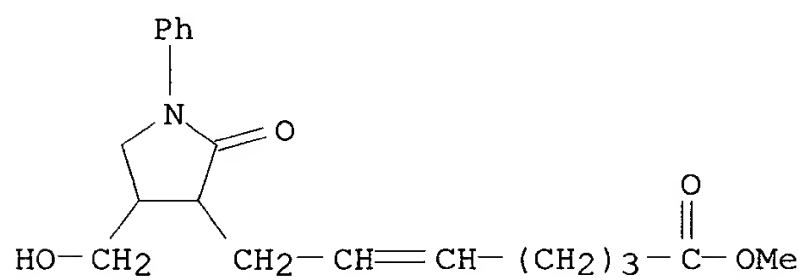
RN 64321-04-6 CAPLUS

CN 3-Pyrrolidineheptanoic acid, 1-[4-(2,4-dichlorophenoxy)phenyl]-4-(hydroxymethyl)-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



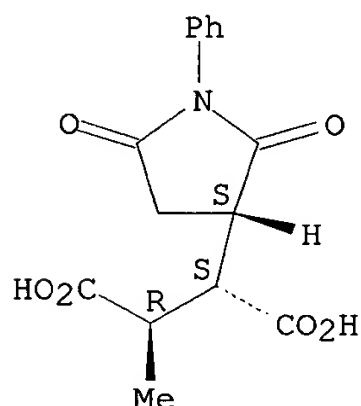
RN 64321-05-7 CAPLUS

CN 5-Heptenoic acid, 7-[4-(hydroxymethyl)-2-oxo-1-phenyl-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



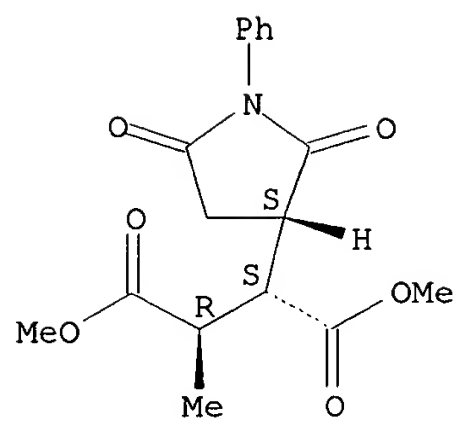
L7 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1977:105890 CAPLUS  
 DN 86:105890  
 TI Imidization of diastereoisomeric 1,2,3,4-pentanetetracarboxylic acids  
 AU Odínokov, V. N.; Galeeva, R. I.; Tolstikov, G. A.  
 CS Inst. Khim., Ufa, USSR  
 SO Zh. Org. Khim. (1976), 12(10), 2119-24  
 CODEN: ZORKAE  
 DT Journal  
 LA Russian  
 AB Treatment of bis(anhydrides) I (R = H, Me; X = O) with 2 moles PhNH<sub>2</sub> gave I (X = NPh) in 81.2 and 72% yields, resp.; the stereochem. was preserved during imidization. The addnl. diastereoisomeric imides were prepd. by reaction of the corresponding anhydride with PhNH<sub>2</sub>. Reaction of I (R = Me) with 1 mole PhNH<sub>2</sub> gave 80% monoimide II (R<sub>1</sub> = H), which gave 96% resp. di-Me ester. Redn. of the bisimides gave the corresponding bispyrrolidines. The stereochem. of the bis(imides) and pyrrolidines was discussed in relation to spectra.  
 IT **62058-52-0P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and redn. of)  
 RN 62058-52-0 CAPLUS  
 CN Butanedioic acid, 2-(2,5-dioxo-1-phenyl-3-pyrrolidinyl)-3-methyl-,  
 [3R\*(2R\*,3S\*)]- (9CI) (CA INDEX NAME)

Relative stereochemistry.

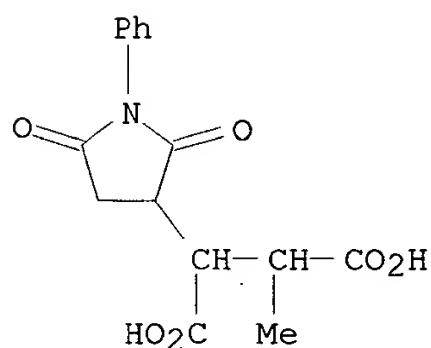


IT **62058-53-1P**  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and spectra of)  
 RN 62058-53-1 CAPLUS  
 CN Butanedioic acid, 2-(2,5-dioxo-1-phenyl-3-pyrrolidinyl)-3-methyl-,  
 dimethyl ester, [3R\*(2R\*,3S\*)]- (9CI) (CA INDEX NAME)

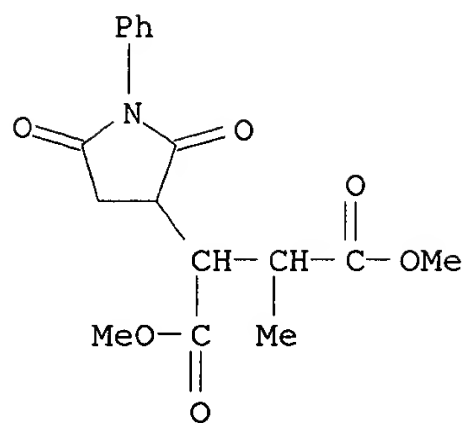
Relative stereochemistry.



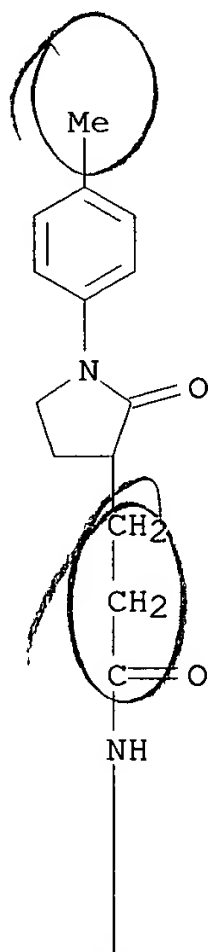
L7 ANSWER 20 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1974:449399 CAPLUS  
 DN 81:49399  
 TI Ozonolysis of alkenes and the study of reactions of polyfunctional compounds  
 AU Odinokov, V. N.; Galeeva, R. I.; Tolstikov, G. A.  
 CS USSR  
 SO Khim. Tekhnol. Elementoorg. Soedin. Polim. (1972), No. 1-2 62-70  
 From: Ref. Zh., Khim. 1973, Abstr. No. 18Zh272  
 DT Journal  
 LA Russian  
 AB Reaction of the corresponding an-hydride with PhNH<sub>2</sub> gave 3-methyl-.DELTA.4-tetrahydro-N-phenyl-phthalimides (Ia-d) (a denotes cis,cis-; b denotes trans,cis-; c denotes cis,trans-; and d denotes trans,trans- throughout) in 99, 96, 99, and 98% yields, resp. The configurations were established by PMR studies of Ia-d and the corresponding di-Me 3-methyl-.DELTA.4-tetrahydrophthalates (IIa-d). MeONa rearranged IIa to a 6:12:82 mixt. of IIb-d. Ozonolysis of Ia-d in Ac<sub>2</sub>O, then treatment with 30% H<sub>2</sub>O<sub>2</sub>-Ac<sub>2</sub>O-SeO<sub>2</sub> gave N-phenyl-2,3-imido-1,2,3,4-pentanetetracarboxylic acids (IIIe-h) (e denotes erythro, threo-; f denotes erythro, erythro-; g denotes threo,threo-; h denotes threo, erythro-) in 85, 90, 93.5, and 74.5% yields, resp. IIIe-h gave the corresponding di-Me esters (IVe-h) in 96, 95, 92, and 93% yields, resp. IVe-h with LiAlH<sub>4</sub> gave 3-(2-hydroxy-ethyl)-4-(2-hydroxyisopropyl)-N-phenylpyrrolidines, characterized as their p-nitrobenzoates (Ve-h) (98, 99, 99, 97% yields, resp.). Similarly prepd. were 80.5% N-Me analog of Ia, 63.5% N-Me analog of IIIe, 95% N-Me analog of IVe, and 68% N-Me analog of Ve. PhNH<sub>2</sub> and erythro,threo-1,2:3,4-pentanebis-(carboxylic anhydride) gave 80% N-phenyl-1,2-imido-1,2,3,4-pentanetetracarboxylic acid, which gave 96% di-Me ester, in turn reduced with LiAlH<sub>4</sub> to 98% 3-[1,2-bis(hydroxymethyl)-propyl]-N-phenylpyrrolidine.  
 IT **53288-11-2P 53288-12-3P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 53288-11-2 CAPLUS  
 CN Butanedioic acid, 2-(2,5-dioxo-1-phenyl-3-pyrrolidinyl)-3-methyl- (9CI)  
 (CA INDEX NAME)



RN 53288-12-3 CAPLUS  
 CN Butanedioic acid, 2-(2,5-dioxo-1-phenyl-3-pyrrolidinyl)-3-methyl-, dimethyl ester (9CI) (CA INDEX NAME)

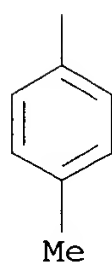


L7 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1973:405182 CAPLUS  
 DN 79:5182  
 TI Preparation and applications of (dialkylamino)methyloxosulfonium  
 methylides. Synthesis of cyclopropanes and oxiranes  
 AU Johnson, Carl R.; Rogers, Peter E.  
 CS Dep. Chem., Wayne State Univ., Detroit, Mich., USA  
 SO J. Org. Chem. (1973), 38(10), 1793-7  
 CODEN: JOCEAH  
 DT Journal  
 LA English  
 AB Dimethyl sulfoximine, prepd. from Me<sub>2</sub>SO, was dialkylated to give  
 (N,N-dimethylamino)- and (N,N-diethylamino)dimethyloxosulfonium  
 fluoroborate. Reaction of these salts with NaH in a variety of aprotic  
 solvents gave methylides. These yields are effective as nucleophilic  
 methylene transfer reagents; reactions with electrophilic alkenes yield  
 cyclopropanes while aldehydes and ketones react to give oxiranes.  
 IT **38709-70-5P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 38709-70-5 CAPLUS  
 CN 3-Pyrrolidinepropanamide, N,1-bis(4-methylphenyl)-2-oxo- (9CI) (CA INDEX  
 NAME)



PAGE 1-A





L7 ANSWER 22 OF 23 CAPLUS COPYRIGHT 2002 ACS

AN 1967:464126 CAPLUS

DN 67:64126

TI Hydrolysis of some benzoxazole derivatives

AU Golankiewicz, Krzysztof; Wyrzykiewicz, Elzbieta; Golankiewicz, Bozena

CS Uniw. A. Mickiewicza, Poznan, Poland

SO Rocz. Chem. (1967), 41(3), 503-13

CODEN: ROCHAC

DT Journal

LA Polish

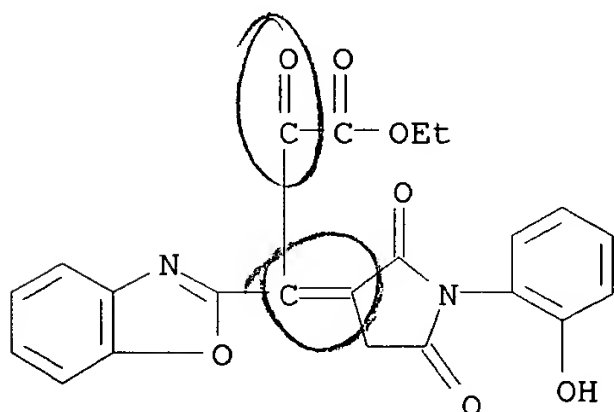
AB The susceptibility of some benzoxazole derivs. towards hydrolysis was studied. The mild acidic hydrolysis of Et 2-benzoxazolyipyruvate (I, R = Et) (II) resulted in complex structural transformation. On the basis of ir and N.M.R. spectra and chem. behavior the structure III or IV was assigned to the reaction product. When subjected to alk. hydrolysis, the benzoxazole system remained intact in II but was attacked in Et (2-benzoxazoly)-.alpha.-hydroxyiminopropionate (V). In the alk. hydrolysis of V, instead of the previously proposed 2-benzoxazolyalacetaldoxime (Borsche, Doeller, CA 33: 17396) N-(.omega.-cyanoacetyl)-o-aminophenol (VI) was formed. By the action of P2O5 the cyclization of VI to 2-benzoxazolyalacetoneitrile (IX) has been accomplished. Thus, a soln. of 0.5 g. I (R = H) (VIII) in 15 ml. MeOH was treated with 0.006 mole CH2N2 in Et2O and the mixt. kept 30 min., then evapd. to give 0.44 g. VII, Hm. 190-1.degree. (C6H6-hexane). A soln. of 1 g. II in 20 ml. N AcO was kept a few hrs. at room temp. to give 0.7 g. III or IV, m. 147-57.degree. (dil. MeOH). A mixt. of 1.16 g. III or IV in 10 ml. abs. EtOH, 3 ml. ethanolic EtOK (prepd. from 0.39 g. K), and 2 ml. abs. Et2O was refluxed 3 hrs., then the pptd. K salt was dissolved in 15 ml. water and repptd. with 5 ml. 2N HCl to give 0.77 g. VIII. A mixt. of 1 g. V in 10 ml. 2N NaOH was heated to boiling, cooled, and neutralized with 10% HCl to afford 0.45 g. VI, m. 199.degree. (40% MeOH), and 47 mg. o-aminophenol. A mixt. of 0.5 g. VI and 0.2 g. P2O5 heated to 150.degree. at 5 .times. 10-3 torr gave 0.25 g. IX, m. 56-7.degree..

IT 14019-06-8P

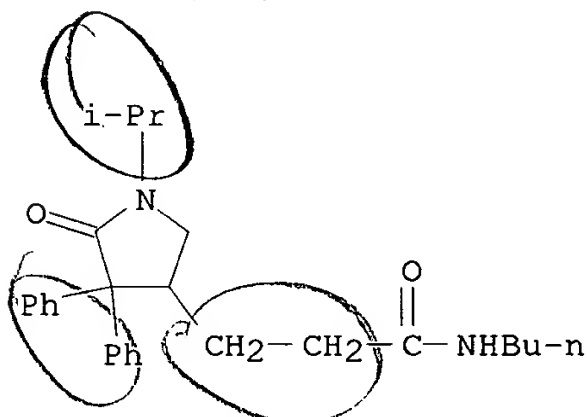
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn., N.M.R. and ir spectrum of)

RN 14019-06-8 CAPLUS

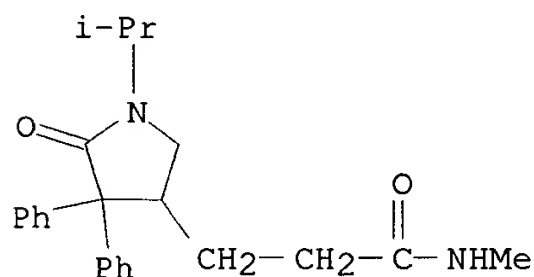
CN 2-Benzoxazolepyruvic acid, .beta.-[1-(o-hydroxyphenyl)-2,5-dioxo-3-pyrrolidinylidene]-, ethyl ester (7CI, 8CI) (CA INDEX NAME)



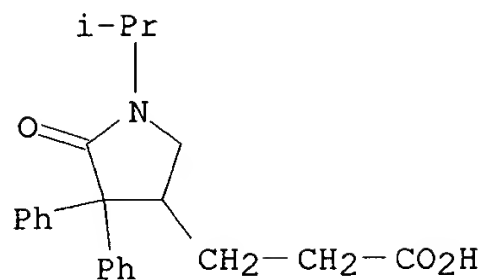
L7 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2002 ACS  
 AN 1967:402959 CAPLUS  
 DN 67:2959  
 TI A series of central nervous system stimulants based on the 4-substituted  
 3,3-diphenyl-2-pyrrolidinone skeleton. II  
 AU Cale, Albert D., Jr.; Jenkins, Herndon; Franko, Bernard V.; Ward, John  
 Wesley; Lunsford, Carl D.  
 CS A. H. Robins Co., Inc., Richmond, Va., USA  
 SO J. Med. Chem. (1967), 10(2), 214-22  
 CODEN: JMCMAR  
 DT Journal  
 LA English  
 AB cf. CA 60: 15813c. The previously described prepn. of 4-(2-substituted  
 ethyl)-3,3-diphenyl-2-pyrrolidinones by a rearrangement of (1-substituted  
 3-pyrrolidinyl)diphenylacetic acids has been expanded in order to observe  
 structure-activity relationships. Variation of the ring and side-chain  
 substituents has produced compds. of varying biol. activity, generally  
 central nervous system stimulants.  
 IT **3188-56-5P 3192-44-7P 3192-58-3P**  
**3192-60-7P 3192-61-8P 3192-63-0P**  
**3213-07-8P 3213-08-9P 3213-09-0P**  
**3346-56-3P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 3188-56-5 CAPLUS  
 CN 3-Pyrrolidinepropionamide, N-butyl-1-isopropyl-5-oxo-4,4-diphenyl- (7CI,  
 8CI) (CA INDEX NAME)



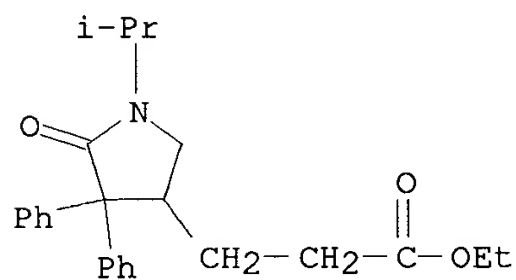
RN 3192-44-7 CAPLUS  
 CN 3-Pyrrolidinepropionamide, 1-isopropyl-N-methyl-5-oxo-4,4-diphenyl- (7CI,  
 8CI) (CA INDEX NAME)



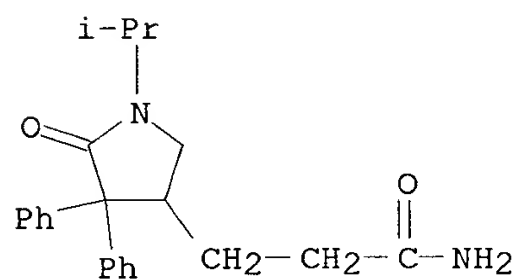
RN 3192-58-3 CAPLUS  
 CN 3-Pyrrolidinepropanoic acid, 1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI)  
 (CA INDEX NAME)



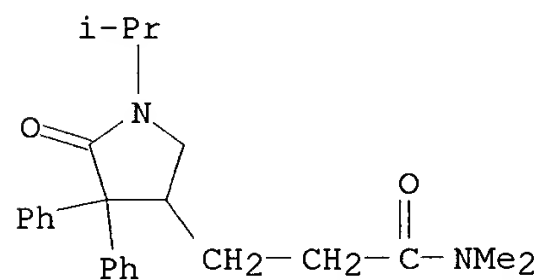
RN 3192-60-7 CAPLUS

CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-, ethyl ester  
(7CI, 8CI) (CA INDEX NAME)

RN 3192-61-8 CAPLUS

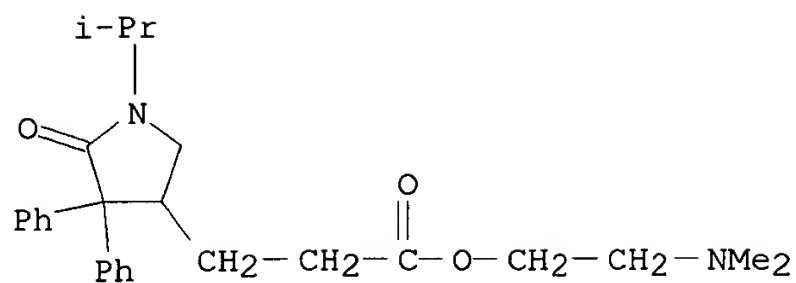
CN 3-Pyrrolidinepropionamide, 1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA  
INDEX NAME)

RN 3192-63-0 CAPLUS

CN 3-Pyrrolidinepropanamide, N,N-dimethyl-1-(1-methylethyl)-5-oxo-4,4-  
diphenyl- (9CI) (CA INDEX NAME)

RN 3213-07-8 CAPLUS

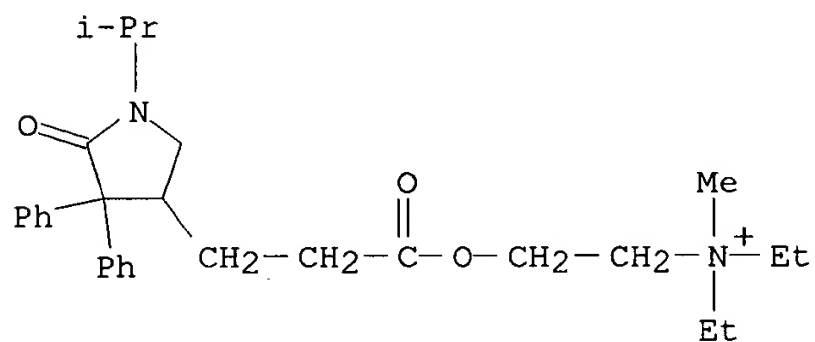
CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-,  
2-(dimethylamino)ethyl ester, monohydrochloride (8CI) (CA INDEX NAME)



● HCl

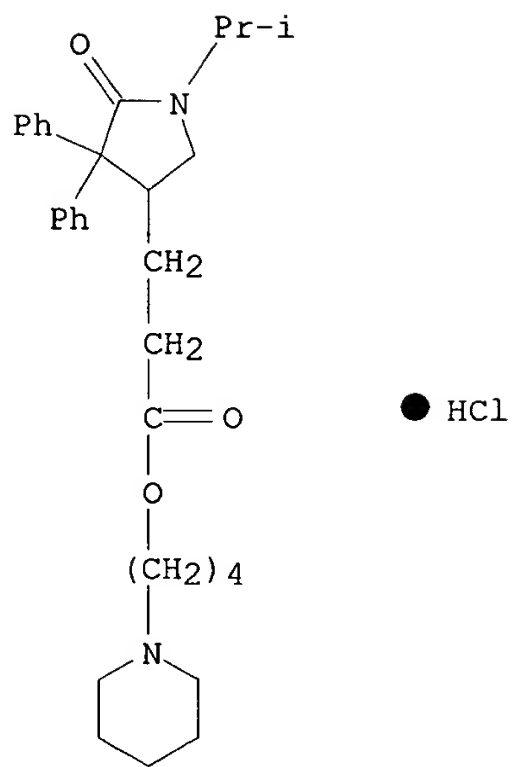
RN 3213-08-9 CAPLUS

CN Ammonium, diethyl(2-hydroxyethyl)methyl-, iodide, 1-isopropyl-5-oxo-4,4-diphenyl-3-pyrrolidinepropionate (8CI) (CA INDEX NAME)

● I<sup>-</sup>

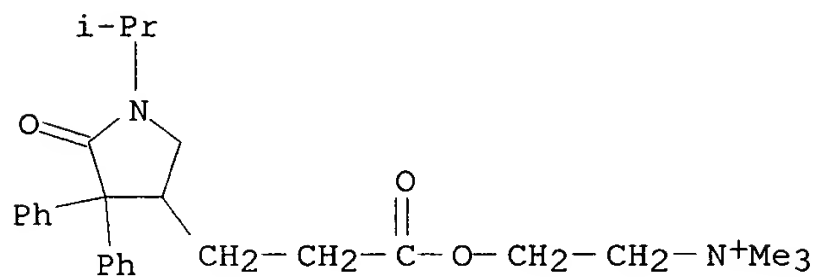
RN 3213-09-0 CAPLUS

CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-, 4-piperidinobutyl ester, monohydrochloride (8CI) (CA INDEX NAME)



RN 3346-56-3 CAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[3-[1-(1-methylethyl)-5-oxo-4,4-diphenyl-3-pyrrolidinyl]-1-oxopropoxy]-, bromide (9CI) (CA INDEX NAME)



=> d his

(FILE 'HOME' ENTERED AT 11:36:08 ON 09 MAY 2002)

FILE 'REGISTRY' ENTERED AT 11:36:15 ON 09 MAY 2002

L1               STRUCTURE UPLOADED  
 L2               QUE L1  
 L3               1 S L2 SSS SAM  
 L4               STRUCTURE UPLOADED  
 L5               1 S L4 SSS SAM  
 L6               267 S L4 SSS FUL

FILE 'CAPLUS' ENTERED AT 11:41:21 ON 09 MAY 2002

L7               23 S L6

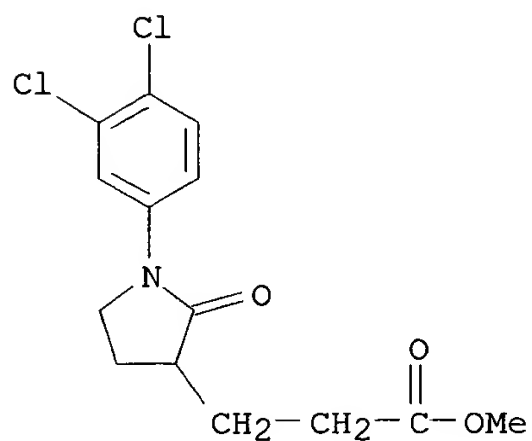
FILE 'CAOLD' ENTERED AT 11:42:20 ON 09 MAY 2002

=> s l6

L8               11 L6

=> d l8 1-11 bib,hitstr

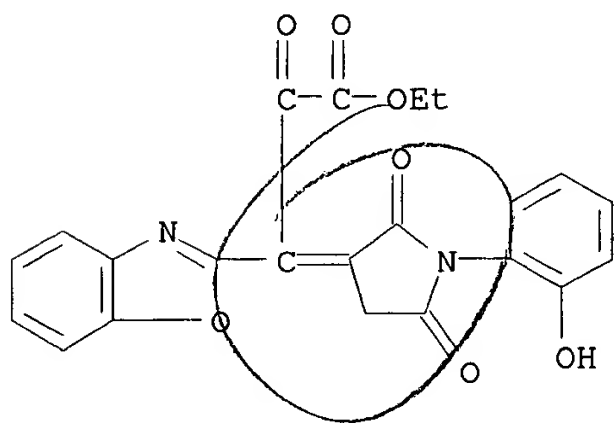
L8 ANSWER 1 OF 11 CAOLD COPYRIGHT 2002 ACS  
AN CA65:16927e CAOLD  
TI ring transformations in reactions of heterocyclic halo compds. with  
nucleophiles - (VII) conversion of bromo derivs., of 3-aminopyridine into  
cyanopyrroles  
AU Hertog, H. J. den; Martens, R. J.; Plas, H. C. van der; Bon, J.  
IT **10006-70-9**  
RN 10006-70-9 CAOLD  
CN 3-Pyrrolidinepropionic acid, 1-(3,4-dichlorophenyl)-2-oxo-, methyl ester  
(7CI, 8CI) (CA INDEX NAME)



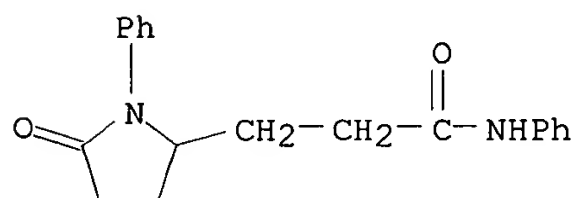
A handwritten signature or mark, possibly a stylized 'X' or a cursive letter, located to the right of the chemical structure.



L8 ANSWER 2 OF 11 CAOLD COPYRIGHT 2002 ACS  
AN CA65:13678d CAOLD  
TI structure of the compd. formed on acid hydrolysis of ethyl  
2-benzoxazolylpyruvate  
AU Golankiewicz, B.; Golankiewicz, K.; Wyrzykiewicz, E.  
IT **14019-06-8**  
RN 14019-06-8 CAOLD  
CN 2-Benzoxazolepyruvic acid, .beta.-[1-(o-hydroxyphenyl)-2,5-dioxo-3-  
pyrrolidinylidene]-, ethyl ester (7CI, 8CI) (CA INDEX NAME)

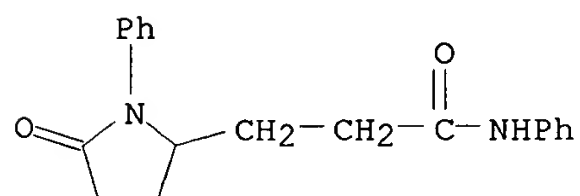


L8 ANSWER 3 OF 11 CAOLD COPYRIGHT 2002 ACS  
AN CA64:17409f CAOLD  
TI reactions with S ylides  
AU Koenig, Horst; Metzger, H.; Seelert, K.  
IT **4622-22-4**  
RN 4622-22-4 CAOLD  
CN 2-Pyrrolidinepropionanilide, 5-oxo-1-phenyl- (7CI, 8CI) (CA INDEX NAME)



A handwritten mark, possibly a signature or a stylized 'P', consisting of a loop and a diagonal stroke.

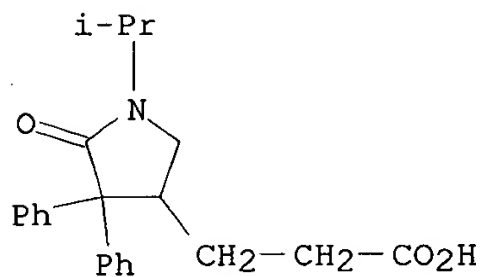
L8 ANSWER 4 OF 11 CAOLD COPYRIGHT 2002 ACS  
AN CA64:3455a CAOLD  
TI S ylides - (VIII) reactions of dimethylsulfoxonium methylide with olefins, aromatic compds., and alkylating agents (IX) reaction of dimethylsulfoxonium methylide with azomethines, azines, hydrazones, and nitriles  
AU Koenig, Horst; Metzger, H.; Seelert, K.  
IT **4622-22-4**  
RN 4622-22-4 CAOLD  
CN 2-Pyrrolidinepropionanilide, 5-oxo-1-phenyl- (7CI, 8CI) (CA INDEX NAME)



L8 ANSWER 5 OF 11 CAOLD COPYRIGHT 2002 ACS  
 AN CA63:11508a CAOLD  
 TI 4-(.omega.-aminoalkyl)-3,3-disubstituted-N-hydrocarbon-2-pyrrolidinones  
 and corresponding 2-pyrrolidinethiones  
 AU Lunsford, Carl D.; Cale, A. D., Jr.  
 PA Robins, A. H., Co., Inc.  
 DT Patent  
 TI 4-aminopyrrolidine-2-carboxylic acid and 5-alkyl derivs.  
 AU Mizoguchi, Tomishige; Sakaguchi, R.  
 PA Tanabe Seiyaku Co., Ltd.  
 DT Patent  

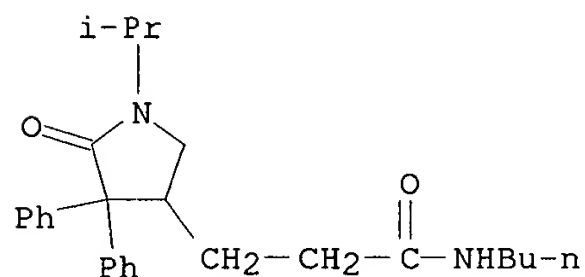
	PATENT NO.	KIND	DATE
PI	JP 65013742		1965
PI	US 3192206		1965

 IT **3192-58-3**  
 RN 3192-58-3 CAOLD  
 CN 3-Pyrrolidinepropanoic acid, 1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI)  
 (CA INDEX NAME)

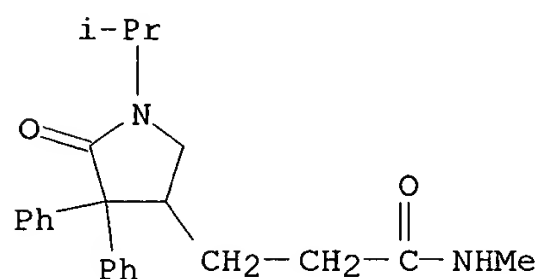


L8 ANSWER 6 OF 11 CAOLD COPYRIGHT 2002 ACS  
 AN CA63:11504c CAOLD  
 TI 4-(.omega.-substituted alkyl)-3,3-disubstituted-1-substituted-2-pyrrolidinones and 4-(.omega.-substituted alkyl)-3,3-disubstituted-2-pyrrolidinethiones  
 AU Lunsford, Carl D.; Cale, A. D., Jr.  
 DT Patent  
 TI 4-(.omega.-substituted alkyl)-3,3-disubstituted-1-substituted-2-pyrrolidinones and 4-(.omega.-substituted alkyl)-3,3-disubstituted-2-pyrrolidinethiones  
 PA Robins, A. H., Co., Inc.  
 DT Patent  

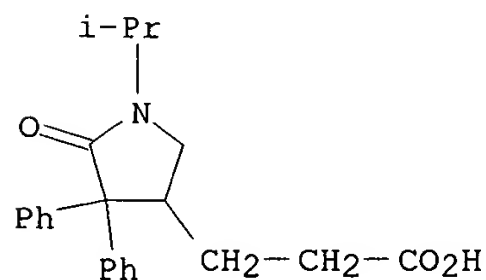
	PATENT NO.	KIND	DATE
PI	US 3192210		1965
IT	<b>3188-56-5</b>	<b>3192-44-7</b>	<b>3192-58-3</b>
	<b>3192-60-7</b>	<b>3192-61-8</b>	<b>3192-63-0</b>
RN	3188-56-5	CAOLD	
CN	3-Pyrrolidinepropionamide, N-butyl-1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)		



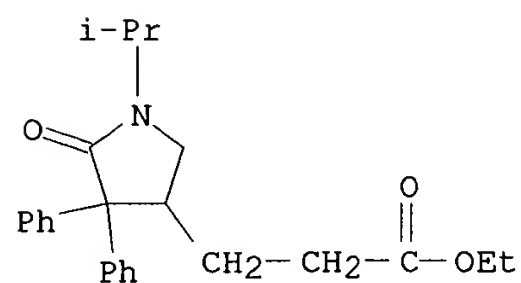
RN 3192-44-7 CAOLD  
 CN 3-Pyrrolidinepropionamide, 1-isopropyl-N-methyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)



RN 3192-58-3 CAOLD  
 CN 3-Pyrrolidinepropanoic acid, 1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI) (CA INDEX NAME)

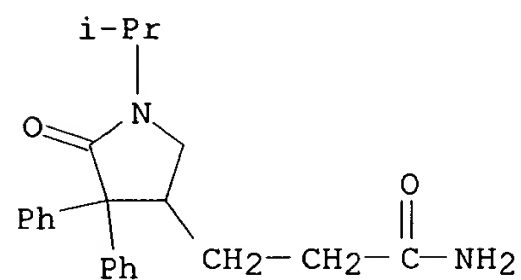


RN 3192-60-7 CAOLD

CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-, ethyl ester  
(7CI, 8CI) (CA INDEX NAME)

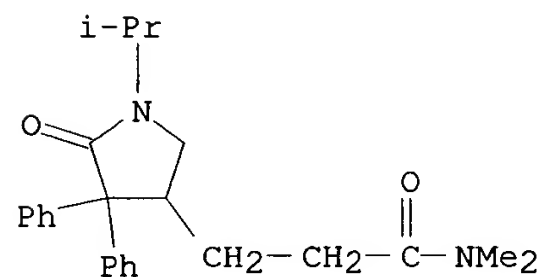
RN 3192-61-8 CAOLD

CN 3-Pyrrolidinepropionamide, 1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)



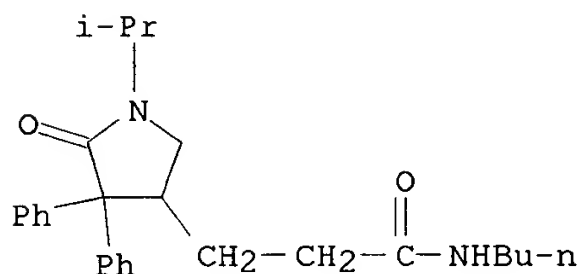
RN 3192-63-0 CAOLD

CN 3-Pyrrolidinepropanamide, N,N-dimethyl-1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI) (CA INDEX NAME)

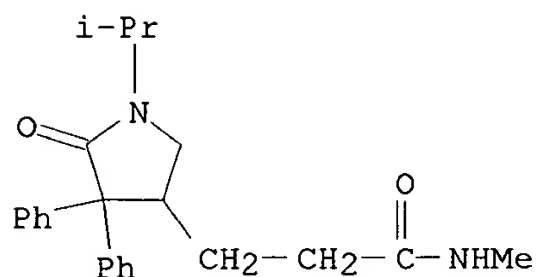


L8 ANSWER 7 OF 11 CAOLD COPYRIGHT 2002 ACS  
 AN CA63:11504b CAOLD  
 TI 1,3,3-trisubstituted-4-(.beta.-haloalkyl)-2-pyrrolidinone  
 AU Lunsford, Carl D.; Cale, A. D., Jr.  
 DT Patent  
 TI 1,3,3-trisubstituted-4-(.beta.-haloalkyl)-2-pyrrolidonone  
 PA Robins, A. H., Co., Inc.  
 DT Patent  
 TI 4-(.omega.-substituted alkyl)-3,3-disubstituted-1-substituted-2-pyrrolidinones and 4-(.omega.-substituted alkyl)-3,3-disubstituted-1-substituted-2-pyrrolidinethiones  
 AU Lunsford, Carl D.; Cale, A. D., Jr.  
 PA Robins, A. H., Co., Inc.  
 DT Patent

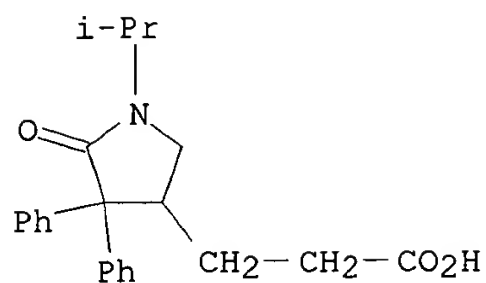
	PATENT NO.	KIND	DATE
PI	US 3192221		1965
PI	US 3192230		1965
IT	<b>3188-56-5</b>	<b>3192-44-7</b>	<b>3192-58-3</b>
	<b>3192-60-7</b>	<b>3192-61-8</b>	<b>3192-63-0</b>
RN	3188-56-5	CAOLD	
CN	3-Pyrrolidinepropionamide, N-butyl-1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)		



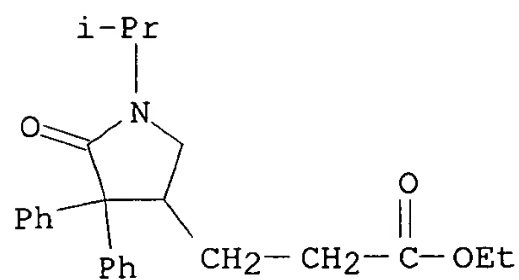
RN 3192-44-7 CAOLD  
 CN 3-Pyrrolidinepropionamide, 1-isopropyl-N-methyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)



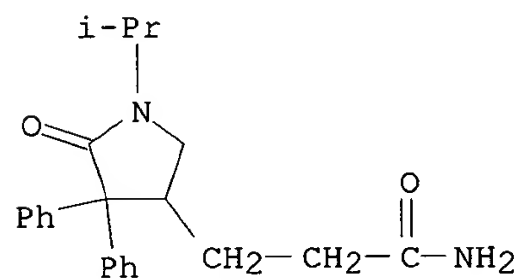
RN 3192-58-3 CAOLD  
 CN 3-Pyrrolidinepropanoic acid, 1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI) (CA INDEX NAME)



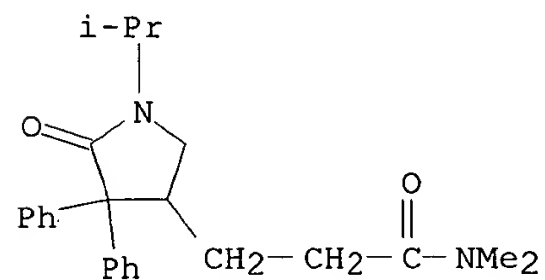
RN 3192-60-7 CAOLD

CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-, ethyl ester  
(7CI, 8CI) (CA INDEX NAME)

RN 3192-61-8 CAOLD

CN 3-Pyrrolidinepropionamide, 1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA  
INDEX NAME)

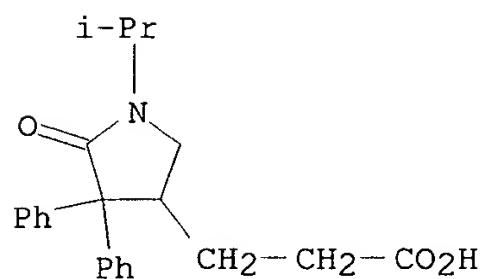
RN 3192-63-0 CAOLD

CN 3-Pyrrolidinepropanamide, N,N-dimethyl-1-(1-methylethyl)-5-oxo-4,4-  
diphenyl- (9CI) (CA INDEX NAME)

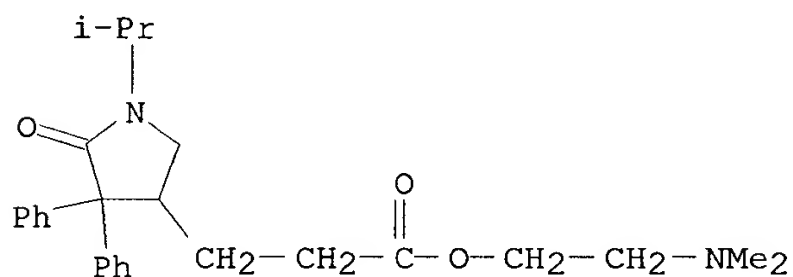


L8 ANSWER 8 OF 11 CAOLD COPYRIGHT 2002 ACS  
 AN CA63:11503a CAOLD  
 TI substituted 3,3-diphenyl-2-pyrrolidinones and 3,3-diphenyl-2-pyrrolidinethiones  
 AU Lunsford, Carl D.; Cale, A. D., Jr.  
 PA Robins, A. H., Co., Inc.  
 DT Patent  

	PATENT NO.	KIND	DATE
PI	US 3192207		1965
	GB 1022960		
IT	<b>3192-58-3</b>	<b>3213-07-8</b>	<b>3213-08-9</b>
	<b>3213-09-0</b>	<b>3346-56-3</b>	
RN	3192-58-3	CAOLD	
CN	3-Pyrrolidinepropanoic acid, 1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI) (CA INDEX NAME)		

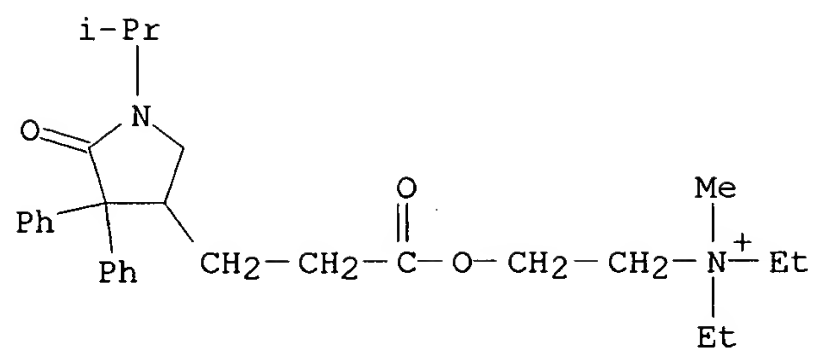


RN 3213-07-8 CAOLD  
 CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-,  
 2-(dimethylamino)ethyl ester, monohydrochloride (8CI) (CA INDEX NAME)

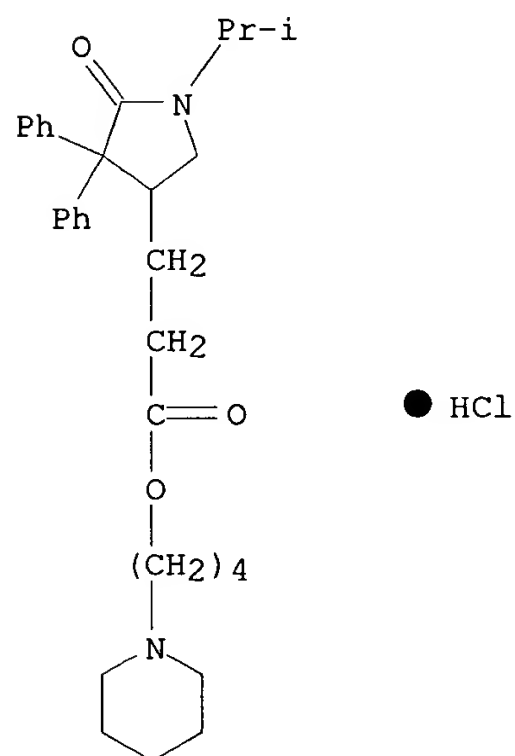


● HCl

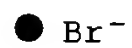
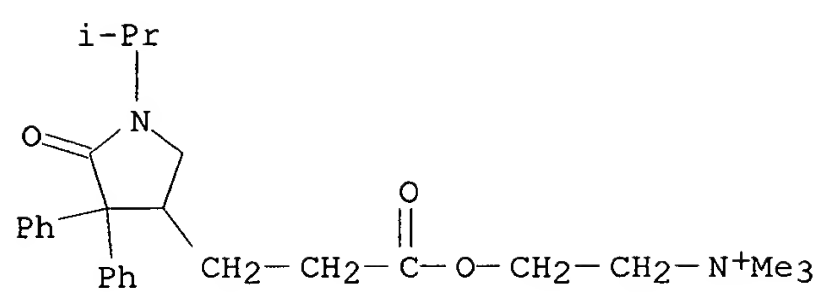
RN 3213-08-9 CAOLD  
 CN Ammonium, diethyl(2-hydroxyethyl)methyl-, iodide, 1-isopropyl-5-oxo-4,4-diphenyl-3-pyrrolidinepropionate (8CI) (CA INDEX NAME)



RN 3213-09-0 CAOLD  
 CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-,  
 4-piperidinobutyl ester, monohydrochloride (8CI) (CA INDEX NAME)



RN 3346-56-3 CAOLD  
 CN Ethanaminium, N,N,N-trimethyl-2-[3-[1-(1-methylethyl)-5-oxo-4,4-diphenyl-3-pyrrolidinyl]-1-oxopropoxy]-, bromide (9CI) (CA INDEX NAME)



L8 ANSWER 9 OF 11 CAOLD COPYRIGHT 2002 ACS  
AN CA63:4435f CAOLD  
TI color couplers (photographic)  
PA Ilford Ltd.  
DT Patent

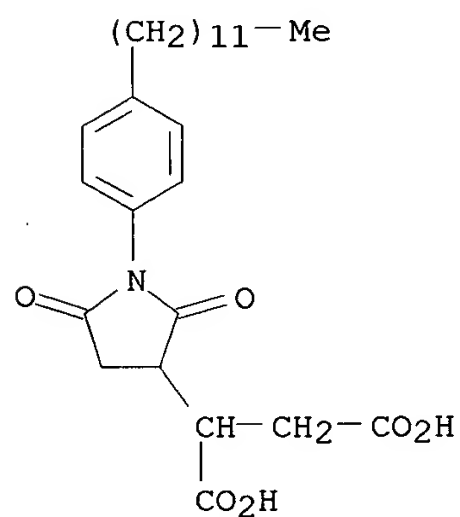
PATENT NO.	KIND	DATE
------------	------	------

PI	NL 6406891	
	BE 649350	
	GB 1004075	

IT **2321-22-4**

RN 2321-22-4 CAOLD

CN 3-Pyrrolidinesuccinic acid, 1-(p-dodecylphenyl)-2,5-dioxo-, potassium salt  
(7CI, 8CI) (CA INDEX NAME)



● K

L8 ANSWER 10 OF 11 CAOLD COPYRIGHT 2002 ACS

AN CA59:5138a CAOLD

TI pyrrolidinones

PA Rohm &amp; Haas Co.

DT Patent

TI substituted pyrrolidinones

AU Exner, Lawrence J.

DT Patent

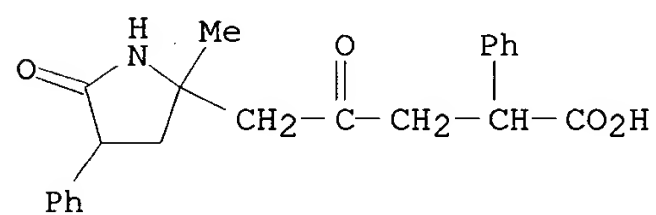
PATENT NO.	KIND	DATE
------------	------	------

PI	US 3079399	1963
----	------------	------

IT **95130-76-0**

RN 95130-76-0 CAOLD

CN 2-Pyrrolidinelevulinic acid, 2-methyl-5-oxo-.alpha.,4-diphenyl- (7CI) (CA INDEX NAME)



L8 ANSWER 11 OF 11 CAOLD COPYRIGHT 2002 ACS  
 AN CA58:507g CAOLD  
 TI pyrrolidinones  
 AU Lunsford, Carl D.; Cale, A. D., Jr.  
 PA Robins, A. H., Co., Inc.  
 DT Patent

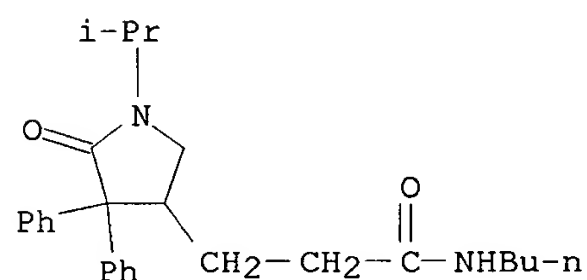
PATENT NO.	KIND	DATE
-----	-----	-----

PI BE 613734  
 FR 1341491  
 FR M2640  
 GB 969063

IT **3188-56-5**      **3192-44-7**      **3192-58-3**  
**3192-60-7**      **3192-61-8**      **3192-63-0**  
**95438-94-1**

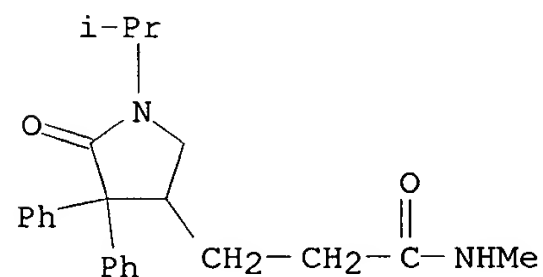
RN 3188-56-5 CAOLD

CN 3-Pyrrolidinepropionamide, N-butyl-1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)



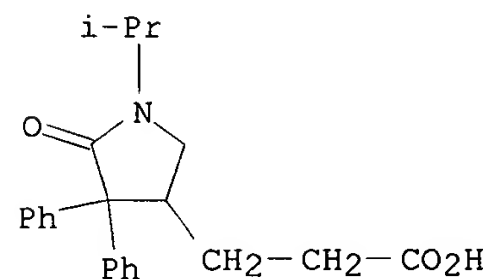
RN 3192-44-7 CAOLD

CN 3-Pyrrolidinepropionamide, 1-isopropyl-N-methyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)



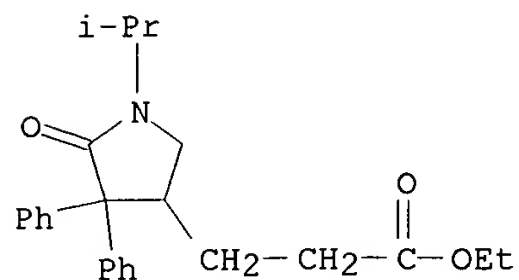
RN 3192-58-3 CAOLD

CN 3-Pyrrolidinepropanoic acid, 1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI) (CA INDEX NAME)



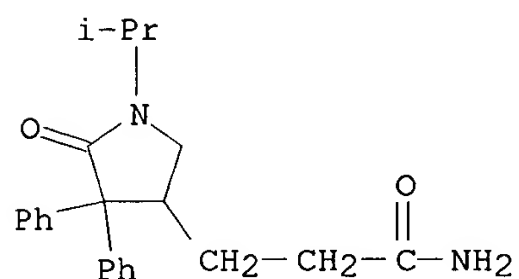
RN 3192-60-7 CAOLD

CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-, ethyl ester  
(7CI, 8CI) (CA INDEX NAME)



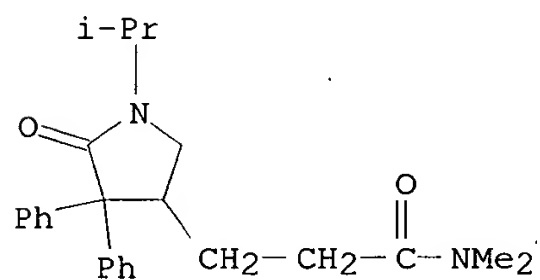
RN 3192-61-8 CAOLD

CN 3-Pyrrolidinepropionamide, 1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)



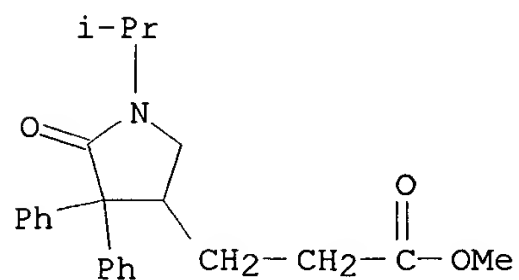
RN 3192-63-0 CAOLD

CN 3-Pyrrolidinepropanamide, N,N-dimethyl-1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI) (CA INDEX NAME)



RN 95438-94-1 CAOLD

CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-, methyl ester  
(7CI) (CA INDEX NAME)



09/732,546

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

28.65

273.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-14.25

STN INTERNATIONAL LOGOFF AT 11:42:58 ON 09 MAY 2002